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SMITHSONIAN INSTITUTION

Fiscal Year 1981

Justification of Estimates of Appropriations
To the Office of Management and Budget



ADMINISTRATIVELY CONFIDENTIAL

(Information not to be released until after the President's
Budget is submitted to the Congress in January 1980.)

September 1979

SMITHSONIAN INSTITUTION
SUMMARY AND HIGHLIGHTS OF THE FY 1981 ZERO-BASE BUDGET

The accompanying materials that detail the Smithsonian Institution's proposed FY 1981 zero-base budget include decision package sets for the Salaries and Expenses, Construction, and Museum Programs and Related Research (Special Foreign Currency Program) Appropriation accounts. A ranking sheet that represents the Institution's priorities and explanation of the rankings is also provided. The Special Foreign Currency Program, whose resource request is expressed in excess foreign currencies, is not competitively ranked against the other accounts. A separate Decision Package Set for the Special Foreign Currency Program is included in this budget submission. Accompanying information is presented on the Institution's non-appropriated Trust fund accounts.

Zero-Base Budget Process

The Smithsonian's FY 1981 zero-base budget submission was developed from the lowest practicable organizational level upward with the active participation of all managers. The Trust fund budget was developed simultaneously and in coordination with the Federal zero-base budget. (The Institution's FY 1979 and FY 1980 Trust fund budget and Trust fund projections for FY 1981 through FY 1985 accompany this document.) Following guidance from the Secretary that outlined his views on the Institution's budget priorities, each decision unit prepared its own Salaries and Expenses budget, and, where appropriate, itemized its needs in the Restoration and Renovation of Buildings account. The decision units consist of the approximately 60 organizational entities (museums, bureaus, or offices) that receive an annual allocation of funds on the basis of which managers must make significant decisions about the scope and the distribution of work to be performed.

The next step involved the preparation of consolidated Salaries and Expenses decision packages as well as the development of lists of Restoration and Renovation priorities by each Assistant Secretary (Science, History and Art, Public Service, Museum Programs, and Administration, respectively). The consolidated decision packages reflect critical review and analysis and express the most important areas of emphasis at the management level.

The integration of these decision packages and proposed ranking was accomplished by the Executive Committee whose members include the Assistant Secretaries, the Treasurer, and the Executive Assistant to the Secretary. Following the principles stated in the initial guidance provided by the Secretary, the Executive Committee made decisions on priorities among the functional areas (these are described in the "Decision Unit Overview" for the Salaries and Expenses appropriation) that would be emphasized, particular items to be included in each decision package, projects to be included in the construction request, and the overall ranking of the decision packages.

The final steps in the process consisted of overall review and final approval of the proposed FY 1981 budget by the Under Secretary and the Secretary. The Executive Committee of the Board of Regents has reviewed and approved both the proposed FY 1981 Federal budget as well as the FY 1981 non-appropriated Trust fund budget. Review of these budgets by the full Board of Regents is scheduled for September 17, 1979.

FY 1981 Proposed Budget

The following table shows the proposed Salaries and Expenses and Construction appropriations from the minimum level through the sum total of the enhancement levels.

| Appropriation | FY 1980 Appropriation estimates | | FY 1981 Budget Request | | | | | | | | | |
|---------------|---------------------------------------|---------|------------------------|---------|-----------------------|---------|------------------|---------|------------------------------|---------|----------------------|---------|
| | | | Minimum Level | | Intermediate Level | | Current Level | | Current Services Level | | Enhancement Level | |
| | FTP | | FTP | | FTP | | FTP | | FTP | | FTP | |
| | Pos | \$000 | Pos | \$000 | Pos | \$000 | Pos | \$000 | Pos | \$000 | Pos | \$000 |
| Salaries and | | | | | | | | | | | | |
| Expenses | 3,360 | 104,740 | 3,051 | 94,266 | 3,250 | 100,550 | 3,360 | 104,740 | 3,379 | 113,271 | 3,443 | 120,215 |
| Construction | - | 32,550 | - | 13,379 | - | 13,379 | - | 13,379 | - | 13,379 | - | 19,979 |
| Total | 3,360 | 137,290 | 3,051 | 107,645 | 3,250 | 113,929 | 3,360 | 118,119 | 3,379 | 126,650 | 3,443 | 140,194 |

In the Salaries and Expenses appropriation, the minimum and intermediate levels represent reductions of ten and four percent respectively from the current level. Reductions to reach these levels are made in such a way that the Institution's major programs could continue to exist, although they would be severely reduced in scope, especially when these cutbacks are coupled with the effects of inflation. Nearly all of the program cuts at the minimum and intermediate levels are restored at the current level. Also, at the current level, an amount of \$.6 million of base resources is reapplied from programs of lesser priority to those considered critically important. Together with the \$2.0 million of base resources that were reapplied in FY 1979 and FY 1980, the Institution will have reapplied approximately \$2.6 million in base resources over a three year period to cover highest priority program requirements before any budget increases were sought.

In this budget there are three separate decision packages at the current services level. The receipt of the resources proposed in these current services packages would not permit enhancement of the Institution's programs; rather they would enable the Institution to meet statutory requirements relative to within-grade increases and the annualization of the anticipated FY 1980 pay raise; to

cope with the overall effects of inflation in the expenses portion of the Salaries and Expenses budget consistent with the economic assumptions supplied by OMB, as well as to cover the projected higher costs of utilities; to continue to meet, in a phased manner, the one-time equipment costs and to begin to meet the continuing operating needs of the Museum Support Center (construction funds of \$20.6 million are anticipated to be appropriated for FY 1980); and to continue to cover the additional requirements imposed upon the Smithsonian Tropical Research Institute as a result of the Panama Canal Treaty.

In the Salaries and Expenses appropriation, the Institution is requesting a total of 14 enhancement level decision packages each of which represents a functional category. Within the OMB dollar ceiling, there are five enhancement level packages; one each for Exhibitions; Research; Collections Management; Administration, Facilities Management and Protection; and Education. Over the target amount, there are two decision packages for Exhibitions and one each for Research; Collections Management; Administration, Facilities Management and Protection; and Education. In addition, over target, there are packages for the Collections Acquisitions function; for "Other National Services" which includes the National Museum Act and the International Exchange Service; and a second Museum Support Center - related request. The relatively large number of decision packages, some with comparatively small amounts included, is a reflection of the fact that the Institution has identified a number of programs in several areas that will require attention in FY 1981.

The Institution is seeking an additional 83 full-time permanent, 24 part-time equivalent and 19 "other" positions in this budget. Of the request for new full-time permanent positions, 19 are associated with requirements included in the current services levels; a further 30 are included within the decision packages that fall within the OMB dollar ceiling; and an additional 34 are included in the decision packages that are over the target amount. In developing this request for new full-time permanent positions, the Institution has attempted first to meet programmatic requirements through use of outside contractual services when such services are considered to be beneficial to the performance of the work requirement and cost-effective. As a result of the zero-base analysis, a total of 68 full-time permanent positions were redirected in FY 1979 and FY 1980 in order to carry out programmatic improvements in those years. Moreover, over the past two years, the Institution has sought only 16 new full-time permanent positions in the President's budget to the Congress.

For the Construction appropriations (which includes restoration and renovation of buildings, construction and improvements at the National Zoological Park following the approved Master Plan, and South Quadrangle development planning), there are four decision packages. One of these, which incorporates the minimum, intermediate and the current level, is included within the target amount and is considered as a very high priority item in this budget request. Two additional packages for the National Zoological Park construction are included over the target amount and one additional package for restoration and renovation of buildings also is included over the target.

Non-Appropriated Trust Funds

Overview

In addition to Federal appropriations, the Institution has two major sources of non-appropriated funding. These are the Smithsonian Trust funds from a variety of sources and the Federal agency grants and contracts. Overall, between FY 1979 and FY 1985, non-appropriated Trust funds are expected to comprise an average of approximately 46 percent of gross operating revenues, and an average of approximately 22 percent of net operating revenues. The distinction between net and gross revenues is important in that net revenues represent the funds that are available to the Institution after the expenses of auxiliary and bureau activities are deducted. It should be borne in mind that non-appropriated Trust fund projections of income are heavily dependent upon forecasts of general economic conditions, and are therefore subject to a substantial degree of uncertainty.

The accompanying tables display the sources (Table I) and the application (Table 2) of all operating funds projected to be available to the Institution from FY 1979 - FY 1985 following the format in the Institution's "Five-Year Prospectus" which will be transmitted to OMB during September. In addition, a summary table is provided showing the source and application of funds for the budget year (Table 3). (The proposed budgets have been reviewed by the Executive Committee of the Board of Regents; however, they are subject to approval by the full Board of Regents which is scheduled to meet on September 17, 1979.)

Proposed FY 1981 Non-Appropriated Trust Fund Budget

For FY 1981, the Institution is projecting gross operating revenues of \$222.1 million of which an amount of \$120.2 million constitutes the budget request of the Salaries and Expenses appropriation and an amount of \$101.9 million represents the gross total of all non-appropriated sources. In

terms of net operating income, a total of \$153.7 million is projected to be available to the Institution in FY 1981, of which an amount of \$33.5 million is expected to be derived from non-appropriated sources. All monies coming to the Institution are dedicated to the same broad objectives of increasing and diffusing knowledge. There are, however, important differences in specific uses and in restrictions imposed on these funds. The following sections address the non-appropriated Trust fund budget by type of fund.

Unrestricted (General and Special Purpose) Funds

For FY 1981, a net amount of \$13.2 million in unrestricted Trust funds is expected to be available, a projected increase of \$1.1 million over FY 1980. The unrestricted funds include funds generated from interest on the Smithsonian bequest, endowment and current fund investments, concessions such as food services, parking royalties, sales of Smithsonian products, including records and books, the Resident and National Associates program including Smithsonian magazine, and the museum shops. They also include unrestricted gifts or bequests of funds.

For FY 1981, these funds are expected to be used as follows (in general, consistent with uses in FY 1979 and 1980 and in the projections for FY 1982 - 1985):

1) An allotment (centrally administered) of \$2 million to be used for acquisitions for the collections and scholarly and educational programs. /1 Of this amount, \$1 million is available for purchase of objects of outstanding importance of the collections. By explicitly limiting such Trust fund acquisitions to major objects that would otherwise be unaffordable, this program is clearly distinguishable from Federal acquisitions programs which will continue to be essential for larger numbers of less costly items. An additional \$500,000 is designated for scholarly projects that do not lend themselves to Federal funding, including unanticipated research opportunities such as meteorite falls. The remaining \$500,000 is allocated to carry out innovative educational projects designed to reach large segments of the public.

2) An allotment of \$.9 million to fund the Institution's centrally administered Fellowship Program and the Fellowship and Visiting Scholars Program of the Smithsonian Astrophysical Observatory. /2 By FY 1981, the amount of Trust funds devoted to these programs will have increased by over \$.2 million, reflecting, in part, the need to make higher stipends to offset the effects of inflation.

/1 This program was instituted in FY 1978.

/2 This program was instituted in FY 1979. Prior to FY 1979, Federal funds were used to support these programs.

3) Operating allotments to the Cooper-Hewitt Museum, the Folklife Unit, the Office of Telecommunications and the Visitor's Information and Associates Reception Center and additional small but important allotments to other bureaus. These allotments are expected to total approximately \$2.5 million in FY 1981.

4) An amount of \$1.1 million for the Institution's administrative costs not recovered from overhead fees assessed against grants and contracts administered by the Smithsonian or from administrative fees charged to other Trust funded activities. /3

5) An amount of \$1.3 million is expected to be provided to the bureaus in FY 1981 in the form of revenue sharing, net proceeds of bureau activities of which the National Air and Space Museum's theatre is the most outstanding example, and other miscellaneous revenues. These funds are used for research, exhibition, education and other purposes.

6) Transfer of Plant funds of \$1.3 million for the South Quadrangle construction project (in addition to about \$2.3 million planned for transfer in FY 1979 and FY 1980) and \$.3 million toward the purchase of land contiguous to the Chesapeake Bay Center for Environmental Studies.

7) Annual transfer of the \$2 million to the Institution's unrestricted endowment.

8) A tax liability escrow fund addition of \$1 million for possible Magazine and other unrelated business income tax liability, pending an IRS ruling on the application of current tax regulations to Smithsonian magazine advertising revenues and to other related auxiliary activities of the Institution.

Federal Grants and Contracts

Grants and contracts awarded to the Smithsonian by government agencies and departments are expected to total an amount of \$15.4 million in FY 1981, an estimated increase of \$2.8 million over FY 1980. These grants and contracts are provided to the Smithsonian to support specific types of research, educational and other projects which the Institution can undertake as a result of its expertise or its ability to respond quickly to certain kinds of needs. Virtually all of these grants and contracts are anticipated for research conducted by the science bureaus of the Institution, mainly at the Smithsonian Astrophysical Observatory which expects to conduct a major x-ray flight experiment on the space shuttle in FY 1981 for the National Aeronautics and Space Administration.

/3 Unrestricted Trust funds are allocated to the administrative and support units to provide an appropriate balance between Federal appropriations and Trust funds, reflecting the services they provide.

Restricted Funds

Restricted income is expected to total \$4.9 million in FY 1981, approximately the same amount is anticipated for FY 1980. Restricted income to the Institution is derived primarily from investment income (endowment earnings and interest on current funds), and gifts for specific purposes, with small amounts from revenue-generating activities of the Freer Gallery of Art and the Archives of American Art. Major shares of restricted purpose endowment investment income are dedicated to the Freer Gallery of Art, and the Fort Pierce, Florida, Oceanographic Bureau for basic operating purposes; restricted income to other units provides support for specific research, exhibits, and education projects.

SMITHSONIAN INSTITUTION
SOURCE OF OPERATING FUNDS

(\$000's)

Table 1

| SOURCE OF OPERATING FUNDS | FY 1979 | FY 1980 | FY 1981 | FY 1982 | FY 1983 | FY 1984 | FY 1985 |
|---|----------------|--|----------------|----------------|----------------|----------------|----------------|
| <u>Federal Salaries & Expenses</u> | 98,202 | 104,740 | 120,215 * | 130,122 | 134,382 | 137,459 | 140,049 |
| <u>Unrestricted Trust (General & Special)</u> | | | | | | | |
| .Investments | 2,475 | 2,525 | 2,675 | 2,800 | 2,850 | 2,900 | 2,975 |
| .Gifts | 193 | 103 | 101 | 100 | 100 | 100 | 100 |
| .Auxiliary and Bureau Activities, Gross Revenues | 64,896 | 70,827 | 78,382 | 84,989 | 88,321 | 96,605 | 101,494 |
| .Miscellaneous | 355 | 437 | 491 | 475 | 507 | 520 | 541 |
| Subtotal | 67,919 | 73,892 | 81,649 | 88,364 | 91,778 | 100,125 | 105,110 |
| <u>Restricted Trust</u> | | | | | | | |
| .Investments | 2,014 | 2,100 | 2,200 | 2,300 | 2,350 | 2,400 | 2,500 |
| .Gifts, Grants & Contracts | 2,100 | 2,260 | 2,165 | 2,100 | 2,100 | 2,100 | 2,100 |
| .Miscellaneous | 563 | 490 | 500 | 450 | 475 | 500 | 515 |
| Subtotal | 4,677 | 4,850 | 4,865 | 4,850 | 4,925 | 5,000 | 5,115 |
| <u>Federal Grants & Contracts</u> | 12,468 | 12,640 | 15,410 | 15,440 | 15,544 | 16,615 | 16,904 |
| Total Income | 183,266 | 196,122 | 222,139 | 238,776 | 246,629 | 259,199 | 267,178 |
| Less Expenses of Auxiliary and Bureau Activities | (55,614) | (61,782) | (68,454) | (73,429) | (77,726) | (85,083) | (91,207) |
| <u>Net Funds Provided</u> | <u>127,652</u> | <u>134,340</u> | <u>153,685</u> | <u>165,347</u> | <u>168,903</u> | <u>174,116</u> | <u>175,971</u> |
| * Includes \$1,362,000 for necessary pay increases and Office of Management and Budget to offset inflation in non-salary related expenditures. These amounts are also incorporated into FY 1982-85. | | \$1,799,000 being requested in FY 1981 budget to the | | | | | |

SMITHSONIAN INSTITUTION
APPLICATION OF OPERATING FUNDS
FY 1979 PROJECTED THROUGH FY 1985
(\$000's)

Table 2(1)

| APPLICATION OF OPERATING FUNDS | FY 1979 | FY 1980 | FY 1981 | FY 1982 | FY 1983 | FY 1984 | FY 1985 |
|---|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| <u>Science</u> | | | | | | | |
| .Federal Salaries & Expenses | 36,714 | 38,770 | 43,227 | 47,467 | 47,703 | 48,017 | 47,463 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose (Net of Overhead Recovery) | 624 | 269 | 282 | 281 | 299 | 291 | 304 |
| -Special Purpose | 503 | 483 | 440 | 409 | 384 | 419 | 370 |
| .Restricted Trust | 1,859 | 1,766 | 1,762 | 1,727 | 1,770 | 1,825 | 1,872 |
| .Federal Grants & Contracts | <u>12,130</u> | <u>12,452</u> | <u>15,226</u> | <u>15,400</u> | <u>15,503</u> | <u>16,573</u> | <u>16,861</u> |
| Subtotal | 51,830 | 53,740 | 60,937 | 65,284 | 65,659 | 67,125 | 66,870 |
| <u>History & Art</u> | | | | | | | |
| .Federal Salaries & Expenses | 16,177 | 17,494 | 19,784 | 21,537 | 22,492 | 22,630 | 23,252 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 562 | 615 | 625 | 673 | 690 | 729 | 782 |
| -Special Purpose | 579 | 574 | 598 | 465 | 465 | 465 | 480 |
| .Restricted Trust | 2,633 | 2,936 | 2,774 | 2,785 | 2,845 | 2,915 | 2,970 |
| .Federal Grants & Contracts | <u>165</u> | <u>83</u> | <u>39</u> | <u>40</u> | <u>41</u> | <u>42</u> | <u>43</u> |
| Subtotal | 20,116 | 21,702 | 23,820 | 25,500 | 26,533 | 26,781 | 27,527 |
| <u>Public Service</u> | | | | | | | |
| .Federal Salaries & Expenses | 2,169 | 2,223 | 2,389 | 2,416 | 2,416 | 2,421 | 2,451 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 744 | 671 | 774 | 829 | 874 | 916 | 953 |
| -Special Purpose | 3 | - | - | - | - | - | - |
| .Restricted Trust | 24 | 23 | 21 | 95 | 99 | 105 | 107 |
| .Federal Grants & Contracts | <u>125</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| Subtotal | 3,065 | 2,917 | 3,184 | 3,340 | 3,389 | 3,442 | 3,511 |
| <u>Museum Programs</u> | | | | | | | |
| .Federal Salaries & Expenses | 7,784 | 8,287 | 9,493 | 10,835 | 10,843 | 11,555 | 12,041 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 225 | 230 | 287 | 347 | 373 | 382 | 410 |
| -Special Purpose | 26 | 10 | 7 | 8 | 8 | 9 | 10 |
| .Restricted Trust | 25 | 21 | 2 | 1 | 1 | 1 | 1 |
| .Federal Grants & Contracts | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| Subtotal | 8,060 | 8,548 | 9,789 | 11,191 | 11,225 | 11,947 | 12,462 |

SMITHSONIAN INSTITUTION
APPLICATION OF OPERATING FUNDS
FY 1979 PROJECTED THROUGH FY 1985
(\$000's)

Table 2(2)

| APPLICATION OF OPERATING FUNDS | FY 1979 | FY 1980 | FY 1981 | FY 1982 | FY 1983 | FY 1984 | FY 1985 |
|--|---------|---------|---------|---------|---------|---------|---------|
| <u>Special Programs</u> | | | | | | | |
| .Federal Salaries & Expenses | 2,091 | 2,290 | 2,564 | 2,699 | 2,923 | 3,068 | 3,238 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 399 | 604 | 432 | 464 | 488 | 509 | 538 |
| -Special Purpose | | | | | | | |
| Fellowships, Collections Acquisition, Research & Education Program) | 2,508 | 3,010 | 3,007 | 3,506 | 3,706 | 3,906 | 4,006 |
| .Restricted Trust | 52 | 43 | 73 | 25 | 25 | 60 | 35 |
| .Federal Grants & Contracts | 85 | 80 | 120 | - | - | - | - |
| Subtotal | 5,135 | 6,027 | 6,196 | 6,694 | 7,142 | 7,543 | 7,817 |
| <u>Associates Programs & Business Management Activities</u> | | | | | | | |
| .Federal Salaries & Expenses | - | - | - | - | - | - | - |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 232 | 264 | 321 | 346 | 373 | 402 | 434 |
| -Special Purpose | - | - | - | - | - | - | - |
| .Restricted Trust | 11 | 7 | 8 | 8 | 9 | 10 | 10 |
| .Federal Grants & Contracts | 75 | 25 | 25 | - | - | - | - |
| Subtotal | 318 | 296 | 354 | 354 | 382 | 412 | 444 |

SMITHSONIAN INSTITUTION
APPLICATION OF OPERATING FUNDS
FY 1979 PROJECTED THROUGH FY 1985
(\$000's)

Table 2(3)

| APPLICATION OF OPERATING FUNDS | FY 1979 | FY 1980 | FY 1981 | FY 1982 | FY 1983 | FY 1984 | FY 1985 |
|--|---------|---------|---------|---------|---------|---------|---------|
| <u>Administrative, Financial, Support Services</u> | | | | | | | |
| .Federal Salaries & Expenses | 7,179 | 7,700 | 8,149 | 8,423 | 8,592 | 8,682 | 8,778 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose (Net of Overhead Recovery) | 1 | 225 | 38 | 39 | 27 | 89 | 44 |
| -Special Purpose | 17 | 13 | 14 | 7 | 8 | 11 | 14 |
| .Restricted Trust | 59 | 39 | 50 | 72 | 74 | 74 | 74 |
| .Federal Grants & Contracts | - | - | - | - | - | - | - |
| Subtotal | 7,256 | 7,977 | 8,251 | 8,541 | 8,701 | 8,856 | 8,910 |
| <u>Facilities Services</u> | | | | | | | |
| .Federal Salaries & Expenses | 26,088 | 27,976 | 31,448 | 33,584 | 36,252 | 37,925 | 39,665 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 673 | 808 | 871 | 959 | 1,016 | 1,048 | 1,085 |
| -Special Purpose | 51 | 36 | 5 | 4 | 3 | 3 | 3 |
| .Restricted Trust | - | - | - | - | - | - | - |
| .Federal Grants & Contracts | - | - | - | - | - | - | - |
| Subtotal | 26,812 | 28,820 | 32,324 | 34,547 | 37,271 | 38,976 | 40,753 |
| <u>Necessary Pay and Inflation</u> <u>(Federal Salaries and Expenses)</u> | | | | | | | |
| .Inflation | - | - | 1,799 | 1,799 | 1,799 | 1,799 | 1,799 |
| .Necessary Pay | - | - | 1,362 | 1,362 | 1,362 | 1,362 | 1,362 |
| <u>Transfers;</u> <u>Plant Improvements:</u> | | | | | | | |
| .Unrestricted Trust (General & Special) | 1,800 | 1,238 | 1,300 | 2,050 | 1,050 | 4,050 | 1,150 |
| <u>Endowment:</u> | | | | | | | |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 2,071 | 2,021 | 2,021 | 2,025 | 2,530 | 2,530 | 2,530 |
| -Special Purpose | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| .Restricted Trust | 400 | 200 | 200 | 200 | 200 | 200 | 200 |
| Subtotal | 4,371 | 3,559 | 3,621 | 4,375 | 3,880 | 6,880 | 3,980 |

SMITHSONIAN INSTITUTION
APPLICATION OF OPERATING FUNDS
FY 1979 PROJECTED THROUGH FY 1985
(\$000's)

Table 2(4)

| APPLICATION OF OPERATING FUNDS | FY 1979 | FY 1980 | FY 1981 | FY 1982 | FY 1983 | FY 1984 | FY 1985 |
|------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <u>Net Changes in Fund Balance</u> | | | | | | | |
| <u>Increase (Decrease)</u> | | | | | | | |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 294 | - | 475 | 1,153 | 260 | 24 | (425) |
| -Special Purpose | 893 | 939 | 1,598 | 1,270 | 1,398 | (841) | 1,115 |
| .Restricted Trust | (386) | (185) | (25) | (63) | (98) | (190) | (154) |
| .Federal Grants & Contracts | <u>(112)</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> | <u>-</u> |
| Subtotal | 689 | 754 | 2,048 | 2,360 | 1,560 | (1007) | 536 |
| <u>Net Funds Applied</u> | | | | | | | |
| .Federal Salaries & Expenses | 98,202 | 104,740 | 120,215 | 130,122 | 134,382 | 137,459 | 140,049 |
| .Unrestricted Trust | | | | | | | |
| -General Purpose | 7,625 | 6,945 | 7,426 | 9,166 | 7,980 | 8,970 | 7,805 |
| -Special Purpose | 4,680 | 5,165 | 5,769 | 5,769 | 6,072 | 6,072 | 6,098 |
| .Restricted Trust | 4,677 | 4,850 | 4,865 | 4,850 | 4,925 | 5,000 | 5,115 |
| .Federal Grants & Contracts | 12,468 | 12,640 | 15,410 | 15,440 | 15,544 | 16,615 | 16,904 |
| Net Funds Applied | <u>127,652</u> | <u>134,340</u> | <u>153,685</u> | <u>165,347</u> | <u>168,903</u> | <u>174,116</u> | <u>175,971</u> |

(\$1,000's)

SMITHSONIAN INSTITUTION
Source & Application of Funds
Estimated FY 1981
(Excluding Foreign Currency Program)

Table 3

| OPERATING FUNDS | Federal Approps. | Federal Gr. & Cont. | Unrest. Trust Funds | | Restricted Trust Fds. | Total Op. Funds |
|-------------------------------|---------------------|------------------------|---------------------|-----------|--------------------------|--------------------|
| | | | General | Sp. Purp. | | |
| Funds Provided: | | | | | | |
| Federal Appropriation | 120,215 | - | - | - | - | 120,215 |
| Investments | - | - | 2,400 | 275 | 2,200 | 4,875 |
| Gifts, Grants & Contracts | - | 15,410 | 85 | 16 | 2,165 | 17,676 |
| Self-generated - Gross Rev. | | | | | | |
| Auxiliary Acts. | - | - | 76,209 | - | - | 76,209 |
| Bureaux | - | - | - | 2,173 | - | 2,173 |
| Other Misc. | - | - | 15 | 476 | 500 | 991 |
| Total Income | 120,215 | 15,410 | 78,709 | 2,940 | 4,865 | 222,139 |
| Less Expenses - Self Gener. | | | | | | |
| Auxiliary Acts. | - | - | (66,801) | - | - | (66,801) |
| Bureaux | - | - | - | (1,653) | - | (1,653) |
| Net Funds Provided | 120,215 | 15,410 | 11,908 | 1,287 | 4,865 | 155,685 |
| Funds Applied: (Net) | | | | | | |
| Science | 43,227 | 15,226 | 2,759 | 440 | 1,762 | 63,414 |
| Less: SAO O/H Recovery | - | - | (2,477) | - | - | (2,477) |
| History & Art | 19,784 | 39 | 625 | 598 | 2,774 | 23,820 |
| Public Service | 2,389 | - | 774 | - | 21 | 3,184 |
| Museum Programs | 9,493 | - | 287 | 7 | 2 | 9,789 |
| Special Programs | 2,564 | 120 | 432 | 3,007 | 75 | 6,196 |
| Associates Pgms/Bus.Mgmt. | - | 25 | 321 | - | 8 | 354 |
| Administration - SI | 8,149 | - | 5,428 | 14 | 50 | 13,641 |
| Less: SI O/H Recovery | - | - | (5,390) | - | - | (5,390) |
| Facilities Services | 31,448 | - | 871 | 5 | - | 32,324 |
| Inflation & Necessary Pay | 3,161 | - | - | - | - | 3,161 |
| Total Funds Applied | 120,215 | 15,410 | 3,630 | 4,071 | 4,690 | 148,016 |
| Transfers: Out (In) | | | | | | |
| Current Funds | | | | | | |
| -Bureau Revenue Sharing | - | - | 367 | (367) | - | - |
| -Tax Liability | - | - | 1,000 | (1,000) | - | - |
| -Fellowships | - | - | 890 | (890) | - | - |
| -Special Programs | - | - | 2,200 | (2,200) | - | - |
| -Other | - | - | 25 | (25) | - | - |
| Plant Funds | - | - | 1,300 | - | - | 1,300 |
| Endowment Funds | - | - | 2,021 | 100 | 200 | 2,321 |
| Total Transfers | - | - | 7,903 | (4,532) | 200 | 3,571 |
| Change in Fund Balance | -0- | -0- | 475 | 1,599 | (25) | 2,048 |
| Ending Fund Balance | -0- | -0- | 5,702 | 13,034 | 3,852 | 22,568 |

SMITHSONIAN INSTITUTION
1981 Budget
Summary of Agency Ranking
(in thousands of dollars)

| Ranking Numbers | Package Description | | | Decision Package Amounts | | | Cumulative Amounts | | |
|--------------------|----------------------------|--------------------------------------|--|--------------------------|---------|----------|--------------------|---------|---------------|
| | Type | Level | Comments | BA | Outlays | FTP Pos. | BA | Outlays | FTP Pos. |
| 1 | Sal. & Exp. 1000-1 | Minimum | Reductions in all programs | 94,266 | 95,162 | 3,051 | 94,266 | 95,162 | 3,051 |
| 2 | Construction 2000-1;2;3 | Minimum, Intermediate, Current | South Quadrangle; Restoration & Renovation of Buildings; Construction, National Zoological Park | 13,379 | 27,842 | - | 107,645 | 123,004 | 3,051 |
| 3 | Sal. & Exp. 1000-2 | Intermediate | Restoration of certain reductions | 6,284 | 5,714 | 199 | 113,929 | 128,718 | 3,250 |
| 4 | Sal. & Exp. 1000-3 | Current | Restoration of other reductions including changes in program emphasis | 4,190 | 3,810 | 110 | 118,119 | 132,528 | <u>3,360*</u> |
| 5 | Sal. & Exp. 1000-4 | Current Services I | Scheduled pay increases, utilities and rent increases, requirements mandated by legislation | 4,232 | 3,848 | 12 | 122,351 | 136,376 | 3,372 |
| 6 | Sal. & Exp. 1000-5 | Current Services II | Inflation | 1,799 | 1,636 | - | 124,150 | 138,012 | 3,372 |
| 7 | Sal. & Exp. 1000-6 | Current Services III | Museum Support Center - related costs I | 2,500 | 2,273 | 7 | 126,650 | 140,285 | 3,379 |
| 8 | Sal. & Exp. 1000-7 | Enhancement | Exhibitions I | 713 | 648 | 1 | 127,363 | 140,933 | 3,380 |
| 9 | Sal. & Exp. 1000-8 | Enhancement | Research I | 520 | 473 | 6 | 127,883 | 141,406 | 3,386 |
| 10 | Sal. & Exp. 1000-9 | Enhancement | Collections Management I | 220 | 200 | 5 | 128,103 | 141,606 | 3,391 |

| Ranking Numbers | Package Description | | | Decision Package Amounts | | | Cumulative Amounts | | |
|--------------------|------------------------|---------------|---|--------------------------|---------|----------|--------------------|---------|----------|
| | Type | Level | Comments | BA | Outlays | FTP Pos. | BA | Outlays | FTP Pos. |
| 11 | Sal. & Exp. 1000-10 | Enhancement | Administration, Facilities Management and Protection I | 772 | 702 | 17 | 128,875 | 142,308 | 3,408 |
| 12 | Sal. & Exp. 1000-11 | Enhancement | Education I | 42 | 39 | 1 | <u>128,917**</u> | 142,347 | 3,409 |
| 13 | Construction 2000-4 | Enhancement | NZP: Aquatic Habitats | 4,400 | 3,982 | - | 133,317 | 146,329 | 3,409 |
| 14 | Sal. & Exp. 1000-12 | Enhancement | Exhibitions II | 500 | 454 | - | 133,817 | 146,783 | 3,409 |
| 15 | Sal. & Exp. 1000-13 | Enhancement / | Education II | 324 | 295 | 2 | 134,141 | 147,078 | 3,411 |
| 16 | Sal. & Exp. 1000-14 | Enhancement | Research II | 857 | 779 | 9 | 134,998 | 147,857 | 3,420 |
| 17 | Construction 2000-5 | Enhancement | NZP: Front Royal Bird Breeding Complex and Rock Creek Master Graphics | 900 | 815 | - | 135,898 | 148,672 | 3,420 |
| 18 | Sal. & Exp. 1000-15 | Enhancement | Collections Management II | 483 | 439 | 7 | 136,381 | 149,111 | 3,427 |
| 19 | Sal. & Exp. 1000-16 | Enhancement | Administration, Facilities Management and Protection II | 1,047 | 952 | 13 | 137,428 | 150,063 | 3,440 |
| 20 | Construction 2000-6 | Enhancement | Restoration and Renovation of Buildings | 1,300 | 863 | - | 138,728 | 150,926 | 3,440 |
| 21 | Sal. & Exp. 1000-17 | Enhancement | Collections Acquisition | 325 | 296 | - | 139,053 | 151,222 | 3,440 |

| Ranking Numbers | Package Description | | | Decision Package Amounts | | | Cumulative Amounts | | |
|--------------------|------------------------|-------------|---|--------------------------|---------|----------|-----------------------|-----------------------|----------|
| | Type | Level | Comments | BA | Outlays | FTP Pos. | BA | Outlays | FTP Pos. |
| 22 | Sal. & Exp. 1000-18 | Enhancement | Other National Services | 248 | 225 | - | 139,301 | 151,447 | 3,440 |
| 23 | Sal. & Exp. 1000-19 | Enhancement | Exhibitions III | 393 | 358 | 3 | 139,694 | 151,805 | 3,443 |
| 24 | Sal. & Exp. 1000-20 | Enhancement | Museum Support Center - related costs II | 500 | 454 | - | 140,194 ^{/1} | 152,259 ^{/1} | 3,443 |

Keys and Notes:

* OMB personnel ceiling.

** OMB dollar target level.

/1 Totals do not include Special Foreign Currency funds of \$7.7. million (BA) and \$4.9 million (outlays).

FTP Pos. = Full-time permanent positions.

Rationale of the Decision Package Ranking

The rankings of the 24 decision packages presented in this budget submission reflect three main considerations.

First, the Construction accounts, including South Quadrangle development planning, restoration and renovation of buildings, and National Zoological Park development in accord with its Master Plan, are given very high priority. Within the OMB dollar ceiling, a decision package that incorporates the minimum, intermediate, and current level decision packages is ranked as the second highest priority decision package. Also, over ceiling, there are three additional construction decision packages, two of which include additional projects for the National Zoological Park, and one for additional restoration and renovation work.

Second, there are three "current services" decision packages. These consist of packages to cover the costs of: a) necessary pay (within-grade increases and pay raise annualization), higher utilities estimates, and requirements imposed upon the Smithsonian Tropical Research Institute as a result of the Panama Canal Treaty; b) inflation in non-salary areas, following OMB pricing policy guidelines; and c) an increment for the storage equipment, laboratory equipment and furnishings and additional staffing needs for the Museum Support Center. Resources included in these packages, ranked as priorities five, six and seven, would not permit enhancement of the Institution's programs. However, resources proposed at the current services levels do absorb \$8.5 million of the dollar ceiling received from OMB and require 19 additional full-time permanent positions as well.

Third, in addition to the minimum, intermediate, current levels, ranked as the numbers one, three and four priorities respectively, and the current services level packages, there are 14 enhancement decision packages for the Salaries and Expenses (S&E) account. This relatively large number of packages, some with comparatively small amounts, reflects the fact that there are several program areas that will require attention in FY 1981. Five S&E enhancement packages are ranked within the OMB dollar ceilings. These packages request funding for the exhibitions; research; collections management; administration, facilities management, and protection; and education functional categories.

Over ceiling, there are a total of nine Salaries and Expenses packages, an additional two packages for exhibitions, and one for each of the categories above as well as packages for collections acquisition, other national services, and Museum Support Center-related costs.



DECISION UNIT OVERVIEW
Smithsonian Institution
Salaries and Expenses: 33-0100-0-1-503
Decision Unit 1000

Long-range goal: To promote the increase and diffusion of knowledge through original historical, cultural and scientific research; to develop and properly care for the National Collections as they represent invaluable resources for both study and display; to sponsor public programs including exhibitions, performances, publications and educational services; and to provide services to museums both in the United States and abroad.

Major objectives:

To accomplish the long-range goal of the Institution, the Smithsonian conducts a broad variety of programs, in cooperation with other institutions, universities, and government agencies in the United States and abroad. These programs are described in terms of functional categories throughout this budget. These functional categories, in turn, represent the Institution's major objectives with overall resources detailed in terms of these categories. The functions include:

- 3
- Collections management: The Smithsonian Institution has the legal responsibility (20 U.S.C. 59) to serve as the official repository of the National Collections which contain more than 78 million art, technological, and cultural history objects, and natural history specimens and artifacts. The responsibility involves the acquisition, documentation and conservation of these materials along with detailed record keeping or cataloguing, regular inventories, and storage or display in secure and atmospherically controlled environments.
 - Basic research: Increase of knowledge is accomplished through basic research. As an independent Federal establishment, the Smithsonian conducts a broad range of scientific and scholarly research, often in cooperation with other institutions, universities and government agencies. As a result of basic scientific research, fundamental data are assembled for use by planners and researchers in other organizations, both government and private. Historical research, through studies in technological development, art, cultural history, biography and folklore traditions, contributes to the knowledge about our heritage and about the nation's growth.

-- Exhibitions, including performances and festivals or celebrations: These presentations constitute one means of diffusing knowledge on a wide scale. In Washington and New York, Smithsonian museums, galleries, and the Zoological Park, which are visited by more than 27 26 million people annually, devote exhibit space to showing significant objects, specimens, and animals from the permanent collections. In addition, temporary exhibitions with loan materials enhance these presentations, adding fresh concepts and ideas -- further enriching visitor experiences. Through the Smithsonian Institution Traveling Exhibition Service, some 180 exhibitions are seen annually by more than six million visitors in nearly 800 institutions across the country. Live performances, festivals, celebrations, lectures and records are also enjoyed by millions of people in the Smithsonian museums as well as in institutions elsewhere and in private homes throughout the nation. Such programs are produced by the Division of Performing Arts, the National and Resident Associates Programs, and the Folklife Unit. ✓ JITEA

Resident + National Associates

-- Education: Perhaps the most important means of diffusing knowledge is through the education programs of the Institution. These programs offer enormous variety in content and form; they range from in-depth, scholarly symposia to activities for fun and enjoyment, and reach all ages from young children to senior citizens. They include classes and workshops, guided tours by trained docents and radio, television, and motion picture programs, sponsored by the individual museums and by centralized offices including Fellowships and Grants, Symposia and Seminars, and Elementary and Secondary Education. A highly significant aspect of the education effort involves production each year of several hundred publications including museum catalogues, books, scholarly monographs, articles, papers, the Archives of American Art Journal, and Smithsonian magazine, which is now received by approximately 1.7 million subscribers. At any given time, there are likely to be two to three hundred visiting scholars, scientists and students working throughout the Institution in various collections, laboratories, and offices. Finally, as another educational endeavor, the Institution's Office of Museum Programs offers assistance to museums across the country and abroad by conducting museum training courses, producing and distributing audio-visual programs on conservation principles and techniques, and by awarding grants for professional museum training and research.

-- Collections acquisition: The Smithsonian museums acquire works of art, artifacts and specimens, and other objects in three ways: by collecting, by donation and by purchase. Collecting and donation are and will continue to be the major means for acquiring material for the collections. However, donations and even collections, for the most part, may not be the

result of planned development. If the Institution's research and exhibition programs are to thrive, the collections must grow by thoughtful design. To meet this responsibility and challenge, the Smithsonian seeks to provide special acquisitions funds for the museums. Some Federal funds are requested each year to permit regular, planned purchases. There are not large amounts for any one museum; the largest is a projected \$300,000 for the National Portrait Gallery in FY 1980. (This compares with a \$2.3 million acquisition fund for the Boston Museum of Fine Arts in 1977.)

In order to carry out these functions, certain services, including administration, facilities services and protection, provide the required support. The Smithsonian has the responsibility for the maintenance, operation and protection of a large complex of buildings and other facilities centered and located mostly in Washington, D. C., but with important components in New York City; Cambridge, Massachusetts; Mt. Hopkins, Arizona; Front Royal, Virginia; Rockville, Maryland; Edgewater, Maryland; and the Republic of Panama. The Institution operates and maintains 12 major museum buildings and the National Zoological Park and protects them with its own guard force. The Institution also provides architectural and engineering services for major repairs, alterations and improvements to the physical plant.

Current Method of Accomplishing Work:

A cooperative decentralization characterizes the structure and operation of the Smithsonian's museums and research bureaus. The collections management, research, exhibition, education and collections acquisition efforts are conducted largely by individual museums, galleries, zoo and laboratories. Education, exhibit and custodial staff, formerly located centrally, now are placed within the museums in accord with a policy that gives responsibility to directors for the management of their own programs and buildings. The role of the offices of the assistant secretaries is to provide guidance and oversight to the various museums and programs within their areas of responsibility. Other specialized administrative and support units are managed centrally in order to promote efficiency and cost effectiveness. These include such components as budget, accounting, personnel, equal employment opportunity, facilities services, printing and photographic services, supply, and protection services.

Alternatives:

The major alternative to the overall Smithsonian policy of cooperative decentralization would be

recentralization of the major programmatic activities. Having previously operated under this policy, the Smithsonian staff knows it would mean loss of the flexibility and creativity essential to provide successfully the wide range of services the Institution offers.

In the administrative and support areas, an alternative approach to making greater use of outside professional and technical services has been rejected because the present system functions well. Other approaches have been found to result in loss of control over functions, increased costs, or inconsistent conduct of operations throughout the Smithsonian. However, the Institution is proposing in this budget further use of outside services, such as the computer and photographic functions, when such use will promote efficiency in terms of work accomplishment and cost, and will hold down the number of new positions being requested.

For exhibitions, there may be several alternatives to substantial additional Federal funding for major new exhibitions. First, the Institution, as inflation grows, could mount increasingly smaller and less comprehensive shows, using available base funds. Or, the Institution could mount fewer and fewer exhibitions. Either alternative would serve to lessen the vitality of the museums, reduce research and educational endeavors and resulting publications, and decrease professional motivation and morale. Another alternative would be for the Institution to rely on private, principally corporate fund raising efforts. However, the uncertainty of such outside financing defeats necessary long-range planning for exhibits development. In this budget, significant funding is sought for a program to create major exhibitions in our various history and art museums, and in particular, to commence a ten-year plan of updating and creating new and timely exhibitions in the National Museum of History and Technology.

The only significant alternative open in the performance of Smithsonian research activities is whether to increase or to decrease the range and numbers of programs in which excellence is sought. More grants and contracts could be solicited for support of work conducted at the Smithsonian or more outside scientists might be invited to become involved in special research projects. However, there is always a problem of effective coordination to assure cost effectiveness, lack of duplication, and mutuality between endeavors. The Smithsonian research activities should be related and conducted in such manner as not to drain resources into unrelated fields or into projects uncoordinated with other Smithsonian aims. It should be emphasized also that the Smithsonian conducts basic research, not applied research which is more typically conducted at mission-oriented agencies. Much of the Smithsonian's scientific research activities foster conservation and can be expected to lead to results that are directly applicable to national needs and goals.

Accomplishments:

In August 1979, the Museum of African Art was transferred officially to the Smithsonian Institution. This marks one of the most significant developments in the Smithsonian's recent history, and adds to the Institution's extensive collections and expertise the broad and rich subject matter embraced by the traditional art forms of African culture.

A selection of specific accomplishments by functional category follows.

Research:

- The Multiple-Mirror Telescope, a joint endeavor between the Smithsonian and the University of Arizona, was officially dedicated in the spring of 1979. The Telescope, the third largest in the world, is a prototype of a new generation of telescopes which will allow greater optical resolution by the utilization of a series of mirrors as opposed to the conventional single mirror concept.
- More than 50 articles resulting from zoological research efforts have appeared in journals and other professional publications in the past year. The research ranges from studies of anesthetized and restrained animals, to analyses of inbreeding depression in the captive hoofed - stock collection, to compiling information on the pathological mechanisms, diagnosis, treatment and control of mycobacterial infections of zoo animals.
- A film collection is being developed by the National Anthropological Film Center as a means of preserving the irreplaceable visual data records which document the various expressions of human potential, organization and behavior in their natural, social and cultural contexts.
- A multi-disciplinary inter-institutional project, concerned with the last 15,000 years of geology, oceanography, palynology and archeology of the Gulf of Maine has been initiated. The project is expected to develop into a model for other such large scale programs aimed at understanding climate and culture in the New World.
- The Einstein/High Energy Astrophysical Observatory-2 Satellite, which carries the first telescope capable of focusing images of x-ray sources, was launched by NASA. (The instrumentation for this satellite was developed by a consortium of scientists under the direction of a Smithsonian

Astrophysical Observatory physicist.) During the first six months of operation, the Satellite observed the brightest, most distant and most powerful objects yet seen in this wavelength, quasars estimated to be more than 10 billion light years from earth. The satellite has observed also: "normal stars" similar to our sun, a new class of young hot stars with strong x-ray emissions in their outer atmosphere, the remnants of supernovae, "cosmic bursters" in globular clusters, distinct sources of x-ray emission in other galaxies, and the most distant cluster of galaxies yet seen by any instruments.

- Among major publications resulting from research in history and art are: "Fine Arts in America" by Joshua C. Taylor (NCFA), "The American Railroad Passenger Car" by John H. White, Jr. (NMHT), "Telling Lives" edited by Marc Pachter from original papers delivered at a symposium on biography (NPG), and the third volume of the letterpress series of "The Papers of Joseph Henry."
- Progress has been made in acquiring microfilm and microfiche of selected 19th century journals essential to research in American art.
- A revised, second edition of the "Checklist of the Collection," Archives of American Art, and an exhibition catalogue listing were published for use by researchers and students in art history.
- The definitive microfiche edition of the Peale Papers will be issued this fall, and the first letterpress volume, "Charles Willson Peale: The Development of an American Artist, 1965-1972" will be published during FY 1980.
- Editing on the four-volume "Arts in America: A Bibliography" has been completed, and the set will be published this fall.

Collections Management:

- Inventories have been or are being conducted in all museums. The collections management systems of the National Air and Space Museum, the Freer Gallery of Art, the National Portrait Gallery, the National Collection of Fine Arts, and the Hirshhorn Museum and Sculpture Garden are proving to be very effective and successful.

- Preparation of 1.9 million inventory records has begun at the National Museum of Natural History for the specimen lots (one specie collected at one locality at the same time) to be transferred to the Museum Support Center. Special computer programs have been developed to accommodate the great size and complex character of the Museum's collections.
- At the National Museum of History and Technology (NMHT), which holds some 16 million objects, a collections management officer has been hired to oversee continuing projects in the areas of collections inventory, storage and information management. Also at NMHT, a new conservation division, building on core staff previously assigned to various units, has been established to expand the restoration and preservation of the objects in the collections. Replacement of old storage equipment will continue until the safe storage of all objects can be assured.
- The Cooper-Hewitt Museum is conducting its first complete inventory of the collections and in the process will establish standard professional registrarial records and a complete catalogue of the Museum's collections. Preparation for conversion to a computer-based registration operation also will be incorporated.
- Renovation of the second half of the fourth floor of the Carnegie Mansion in New York City began in FY 1979. The renovation, which will house the textile collection, will be completed in FY 1980. The first half is completed and contains the prints and drawings collections. Both renovation projects were supported with Trust funds.

Collections Acquisitions:

- One of the most important acquisitions made this year by the National Collection of Fine Arts was the complete set of 54 19th century drawings by Elihu Vedder made as illustrations for the Rubaiyat of Omar Khayyam. The drawings were purchased in part with Federal funds and in part were given. Other distinguished Federal purchases included "Boy Playing Marbles" by the 19th century Pittsburgh painter David Blythe and "The Curtain" by 20th century sculptor George Segal.
- The Archives of American Art acquired or filmed 470 new collections, most notably the papers of Felicia Meyer Marsh, Charles Biederman, and Thomas Eakins and the institutional records of the Phillips Collection and the Doll and Richards Gallery.

- Federal funds enabled the National Museum of History and Technology to purchase an 18th century Pennsylvania German decorated chest with a landscape painting and a 1760 American quilt from New York which may be the earliest known dated quilt. Other purchases include an electoral ticket from Maryland for the George Washington election in 1789 and a dozen 19th century watercolors by a Chinese artist showing the complete process of manufacturing porcelain in China.
- At the National Portrait Gallery, purchases included a watercolor of John C. Calhoun, a painting of Millard Fillmore, and a Mathew Brady photograph of John Charles Fremont.
- Among the number of works purchased by the Hirshhorn Museum and Sculpture Garden were sculptures by Fernando Botero, Adolph Gottlieb, and Jules Olitski, paintings by Sam Gilliam and Alfred Leslie, and works on papers by Jim Dine, Richard Estes, and Hans Hoffmann.
- The National Museum of Natural History acquired 320 fossil fish and bird specimens from the Green River formation in Utah and another collection of bird fossils from the Bahamas and Puerto Rico. Among other accessions were 88 Mexican masks from the Government of Mexico.

Exhibitions:

- The National Air and Space Museum's very successful exhibits program continued with the opening of the exhibition "Exploring the Planets," featuring a replica of the spacecraft "Voyager" which has already provided spectacular pictures of Jupiter and its moons, and will in years to come visit Saturn and other planets.
- Major exhibitions at the National Collection of Fine Arts included the "First Western States Biennial Exhibition" of more than 70 contemporary paintings, works on paper, sculpture and porcelain created by artists in 13 western states. Three other important shows were "Seymour Lipton: Aspects of Sculpture," "Art from Chicago: the Koffler Foundation," and, at the Renwick Gallery, "The Harmonious Craft: American Musical Instruments," organized jointly with the National Museum of History and Technology.
- Among popular exhibitions at the Hirshhorn Museum and Sculpture Garden were "Richard Estes: The Urban Landscape" and "Directions."

- At the National Portrait Gallery, principal exhibitions included "Return to Albion: Americans in England, 1760-1940;" "Robert Edge Pine: British Artist in America, 1784-1888;" "American Portrait Drawings," and "The Students of Benjamin West."
- Critical acclaim continued for the exhibitions of the Cooper-Hewitt Museum in New York with the major exhibitions held at the Museum during FY 1979 including "Ma: Time and Space in Japan;" "Ludwig the Dream King;" "Vienna Moderne: 1898-1918, An Early Encounter Between Taste and Utility;" and "Ornament in the Twentieth Century."
- The Freer Gallery of Art opened the immensely successful exhibition "The Brush of the Masters: Drawings from Iran and India" in the fall, and in the spring, a showing of 57 lacquer pieces as part of the nationwide celebration of "Japan Today."
- A new permanent exhibition, "Dynamics of Evolution," opened in May in the National Museum of Natural History.
- Ever growing audiences at the popular events and concerts sponsored by the Division of Performing Arts emphasized the need for multiple performances of live demonstrations.
- May, 1979 brought the program "Play and Inventiveness" to the Mall as the Institution's major contribution to the International Year of the Child. It attracted the support and participation of the Vice President; Mrs. Young, Chairperson of the United States National Commission of the International Year of the Child; the Joseph P. Kennedy, Jr. Foundation; the Learning About Learning Foundation; and others. Chaired by Erik and Joan Erikson, the program examined the play and fantasy necessary to all creative work. Demonstrations of sports and the arts, including some participated in by disabled children, took place at many Smithsonian facilities.
- A 20-minute videotape entitled "African Children's Games and Songs" was developed through a cooperative effort between the Museum of African Art and the Anacostia Neighborhood Museum.

Education:

- Publication of "How to Turn Your Classroom Into A Museum," a 22-page "how-to" manual for the classroom teacher. This publication and accompanying workshop for teachers has resulted in the first school mini-museum in Anacostia. The exhibitions, shown on a rotating basis, are created by the students.

- Over 4,000 high school students and 29 schools participated in the popular Graphics Workshop at the National Collection of Fine Arts. In addition to the Workshop, the museum's education department also maintains "Discover," a gallery of changing exhibitions, and "Explore," a touch and participatory gallery for children and adults.
- The Hirshhorn Museum and Sculpture Garden developed a pilot extension program in conjunction with the Montgomery County school system. The presentations in modern art were favorably received, and the program will be extended to other schools in the metropolitan Washington area.
- A children's theatre, which will broaden the puppet theatre concept by featuring all facets of the arts for children, including film, dance, theater, magic and mime, as well as puppetry, opened in FY 1979.
- The Smithsonian Tropical Research Institute is assisting in the development of a natural educational park in the Republic of Panama. A major focus of the park will be teaching children and adults living in the area about the ecology and natural history of the local plants and animals and about the necessity of preserving the environment.

Administration:

- The first "Programs and Activities" book and the first "Five-Year Perspective" were issued in FY 1979 and will be updated by FY 1980.
- Many small offices have been reorganized to streamline operations throughout the Institution. An example is the consolidation of several granting functions into an Office of Fellowships and Grants. In this way a small staff can administer increased program activity. Another such instance is the staff reorganization of the Smithsonian Institution Press and the concomitant expansion and improvement of marketing capability, the regularization of scheduling and programming, the shifting of warehousing and fulfillment, and the co-publishing and distribution arrangements -- all efforts to establish cost effective performance.

- The Government Printing Office print shop, formerly located at 1111 North Capitol Street, has been phased out and replaced through the purchase of new phototype equipment. Microfilm work was eliminated in April, 1979.
- Additional internal audit requirements have resulted from the collections inventory process and the continued emphasis on assuring that all Smithsonian operations are conducted in an effective, proper and fully acceptable manner.
- A Director of Facilities Services has been employed to strengthen the Institution's construction project management and to oversee its facility-related operations.
- The Office of Supply Services will install word processing equipment to facilitate the preparation of procurement and contract documents, to transmit purchasing data electronically for computer and accounting records, to prepare reports required by law and regulation, and to simplify the preparation of instructional handouts.
- Affirmative action plans for minorities, women, and disabled employees were approved by the Civil Service Commission.
- Implementation of the Civil Service Reform Act continues. Procedures to establish a probationary period for newly appointed managers and supervisors have been developed. Performance appraisal systems and Merit Pay provisions will get underway. Scheduled for completion through FY 1980 will be programs such as those providing for a probationary period for supervisors and managers, special minority recruitment, saved grade and pay and delegations of authority from the Office of Personnel Management.
- Strengthening of accounting office functions continues with emphasis toward the evaluation of internal controls, both manual and automated systems; automation of the vendor system; computerization of aspects of the budget process; and the redesigning of the personnel/payroll system.

Package 1 of 20 (minimum level)

MINIMUM LEVEL DECISION PACKAGE 1000-1

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: This level represents a total reduction of \$10.5 million, approximately ten percent of the FY 1980 appropriation estimate. With the resources described in this decision package, all existing programs would be maintained, although they would be reduced appreciably in scope and effectiveness.

The reductions to reach the minimum level are described in terms of the functional categories noted in the Decision Unit Overview. As depicted in the chart in the "Functional Distribution of Resources" section of this package, two functions, collections management and administration, facilities management and protection services, are emphasized. These functions would sustain cuts of less than ten percent below the FY 1980 appropriation estimate, a \$1.4 million or 8.6 percent cut and a \$4.1 million or 7.9 percent cut, respectively. Offsetting these smaller cuts are reductions of \$2.7 million, or 12.9 percent in the research function; \$155 thousand or 18.3 percent in the collections acquisition function; \$1.4 million or 14.2 percent in the exhibitions function; \$.6 million or 15.3 percent in the education function; and \$114 thousand or 11.1 percent in other national services.

| | | | 1981 | | | | | |
|------------------------|--------|---------|--------------|------------------|--------------------|---------|---------|---------|
| Resource requirements: | 1979 | 1980 | This Package | Cumulative Total | Planning Estimates | | | |
| | | | | | 1982 | 1983 | 1984 | 1985 |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | -10,474 | 94,266 | 102,023 | 105,355 | 107,768 | 109,798 |
| Outlays | 98,151 | 104,142 | -8,980 | 95,162 | 103,410 | 107,256 | 109,847 | 111,969 |

Positions (end of year)

| | | | | |
|------------------------|-------|-------|------|-------|
| Permanent | | | | |
| --Full-time | 3,314 | 3,360 | -309 | 3,051 |
| --Part-time equivalent | 44 | 61 | - | 61 |
| Other | 295 | 350 | -34 | 316 |

Short-term objectives:

- Maintain all of the Institution's major programs, although at reduced levels.
- Emphasize collections management and the administration, facilities management and protection functions, by compensating with a disproportionate cut to the other functions.

Impact on major objectives:

All functional categories would receive less emphasis, as detailed above in the activity description. The following represents significant examples of the activities that would be cut back at this level.

Original scientific research would be cut back by reducing the level of technical staff support and equipment available to scientists and thereby decreasing the efficiency and productivity of professional staff, especially at the National Museum of Natural History and the Radiation Biology Laboratory. A reduction of staff scientists also would be required.

- The Smithsonian Astrophysical Observatory would be required to eliminate six positions in the physicist, geologist, astronomer and astrophysicist categories and at least six important studies would have to be cancelled. The Smithsonian Astrophysical Observatory would also be required to delay the development of new instruments and detectors for the Multiple Mirror Telescope.
- The Smithsonian Tropical Research Institute would have to eliminate a staff scientist and purchase substantially fewer necessary supplies.
- The Smithsonian Oceanographic Sorting Center would be required to eliminate its algae section which is a major activity of the Center.

Original historical research would be reduced through cutbacks to research support and curtailment of work on the art indices and archives.

- The National Museum of History and Technology would be required to eliminate four senior historians and six specialized curators from several divisions. This would have a serious impact on both original research and the quality of exhibits.

- The National Collection of Fine Arts would suspend action on its contribution to the Smithsonian Institution art index which would jeopardize the entire effort as a major collection would not be represented.
- The Joseph Henry Papers Project would have to eliminate one staff historian which would cause inevitable delays. Collections management efforts would be affected adversely through reductions in the areas of conservation and registration.
- The National Collections of Fine Arts would have to reduce curatorial staff which would have an adverse impact on its collections.
- The National Zoological Park would be required to cut back the number of species of birds and several species of hoofed stock, larger mammals and carnivores currently in the collection.

Curtailment to collections inventory efforts also would be effected at a time precisely when substantial progress has been made in such projects at several of the Smithsonian museums.

- The National Museums of Natural History and of History and Technology, the National Collection of Fine Arts, and the National Portrait Gallery would have to curtail or eliminate projects to document inventories.
- The Conservation Analytical Laboratory would have to eliminate several conservator and scientist positions at a time when every effort is being made to expand the conservation program for the care of the National Collections.
- The movement of large numbers of items from the Museum of Natural History to the Museum Support Center would be further complicated due to uncompleted inventory checks of many of the collections.

Acquisitions funds, mainly used for the purchase of relatively less expensive works of art and objects of historical significance, would be reduced. A cut to the Federal resources for acquisitions would jeopardize our objective of maintaining the highest standards for the National Collections, especially given the severe inflation in this area of expense.

- The Hirshhorn Museum and Sculpture Garden acquisition program would be severely affected by a reduction in resources. This collection must be kept current since the Museum was established as a repository of contemporary art.

Exhibitions would be affected heavily in that major art and science shows would be eliminated and planned refurbishment of exhibition halls deferred.

- The National Air and Space Museum would have to cancel the planned exhibition of "Jet Aviation."
- The National Museums of Natural History and History and Technology each would have to cancel one major exhibition.
- The National Portrait Gallery would have to defer the planned major exhibition, "Charles Willson Peale."
- The Museum of African Art would be required to eliminate a catalogue planned to accompany its annual major exhibit.
- The Assistant Secretary for Museum Programs would have to curtail activities of the Office of Exhibits Central which supports exhibitions throughout the Smithsonian and which provides many of the production services for the Smithsonian Institution Traveling Exhibition Service.
- Office of Horticulture would have to eliminate the interior plant support program which contributes significantly to the overall effect of exhibits.

Education programs in several museums would be curtailed through cutbacks in staff and supplies and through a reduction in the numbers of workshops, educational brochures, and other publications.

- The Museum of Natural History would be required to eliminate the Scientific Event Alert Network, a program which has proven to be of substantial benefit to the scientific public by reporting earth events such as volcanic activity, earthquakes and mammal strandings on a monthly basis.
- The National Collection of Fine Arts would have to cancel summer workshops in the arts for teachers and eliminate a program of audio-visual teaching aids under development for various educational levels.

-- Several museums would not be able to respond as fully to the hundreds of school groups which visit the museums every year.

In the administration, facilities management and protection services function, reductions in the core staff in most administrative units and in the guard force would be necessary, interrupting phased programs of planned improvements in these areas, resulting in the likely closing of public space, and curtailing financial management, procurement and personnel services. Moreover, other support services, including the custodial maintenance of the public areas of the museum buildings, would be strained severely.

For other national services, it would be necessary to reduce grants made under the auspices of the National Museum Act; and the funds to be reimbursed to the Government Printing Office for the exchange of government publications would be inadequate.

-- The Office of the Assistant Secretary for Museum Programs would have to reduce the dollar value of grants awarded under the National Museum Act by \$77,000. Based on recent averages, approximately ten to twelve fewer projects would be funded, reducing the average number of annual grants from 80 to 69.

Functional Distribution of Resources:

| <u>Functional Category</u> | <u>At Minimum Level</u> | | <u>Reduction from est. FY 1980 Level</u> | | <u>Percentage Reduction from est. FY 1980 Level</u> | |
|---|-------------------------|---------------|--|----------------|---|--------------|
| | <u>FTP Positions</u> | <u>\$000</u> | <u>FTP Positions</u> | <u>\$000</u> | <u>FTP Positions</u> | <u>\$000</u> |
| Research | 434 | 18,010 | -61 | -2,674 | 12.3 | 12.9 |
| Collections Management | 540 | 14,571 | -40 | -1,364 | 6.9 | 8.6 |
| Collections Acquisitions | - | 691 | - | -155 | - | 18.3 |
| Exhibitions | 288 | 8,695 | -26 | -1,437 | 8.3 | 14.2 |
| Education | 123 | 3,547 | -12 | -643 | 8.9 | 15.3 |
| Administration, Facilities Management & Protection | 1,659 | 47,836 | -169 | -4,087 | 9.2 | 7.9 |
| Other National Services | 7 | 916 | -1 | -114 | 12.5 | 11.1 |
| Total | <u>3,051</u> | <u>94,266</u> | <u>-309</u> | <u>-10,474</u> | <u>9.2</u> | <u>10.0</u> |

Basis for the minimum level:

Given the wide and varied scope of Smithsonian activities and public service responsibilities, the Institution's managers determined that reductions would be applied in a balanced manner throughout the Institution. With an estimated appropriation of \$104.7 million in FY 1980, approximately 73 percent of which covers personnel compensation and benefits, it was considered impossible to propose more than a ten percent cut overall. Accordingly, each bureau or office that receives an allotment of funds was required to propose a reduction of at least ten percent of its total budget and to determine how the cut would be applied among its functional categories. While the Smithsonian could exist for a year at this level, a reduction below the current level would result in short and long-term inefficiencies, would require an extensive reduction-in-force since it is unlikely that attrition would result in a sufficiently large and balanced decline in employment, and would interrupt phased programs of planned improvements.

As was the case in the prior two years, the minimum level package was derived from a thorough program analysis to determine (a) whether the program was desirable; and (b) whether the resource level applied to each program was too high or too low. As a result of this review, \$0.6 million is recommended for redirection to collections management, research, and facilities management functions at the current level in FY 1981. This follows similar analyses for the FY 1979 and FY 1980 budgets which resulted in redirections of \$0.4 million and \$1.6 million respectively. Total redirections of base resources over the three year period FY 1979 - 1981 would total therefore \$2.6 million.

INTERMEDIATE LEVEL DECISION PACKAGE 1000-2

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: This level includes additional funding of \$6.3 million, or approximately six percent above the minimum level. The collections acquisition, collections management, administration, facilities management and protection, other national services, and research functions are emphasized.

For collections acquisition, nearly all of the \$155 thousand cut to reach the minimum level is restored, reflecting the importance of retaining the relatively small \$.8 million collections acquisitions base for purchases of less expensive objects and works of art. (The non-appropriated Trust funds designated for collections acquisition, as explained in the Introductory section, permit purchase of more expensive objects and works of art.) For collections management, \$.9 million of the \$1.4 million cut to reach the minimum level is restored in order to sustain collections inventory and conservation work. At this level, 97 percent of the resources provided in the FY 1980 estimate for collections management is included. For the administration, facilities management and protection function, \$2.5 million of the \$4.1 million cut to reach the minimum level is restored, thus providing 97 percent of the resources included in the FY 1980 estimate for this function.

For the research function, \$1.6 million of the \$2.7 million cut to reach the minimum level is restored and for the exhibitions function, \$.8 million of the \$1.4 million is restored. Resources devoted to these latter two functions at the intermediate level represent about 94 percent of the FY 1980 estimate.

Lastly, for the education function, \$.3 million of the \$.6 million cut to reach the minimum level is restored, which represents approximately 92 percent of the education resources included in the FY 1980 estimate.

| | | | 1981 | | Planning Estimates | | | |
|--------------------------------|-------------|-------------|-------------------------------|-----------------------------------|--------------------|-------------|-------------|-------------|
| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>This</u> <u>Package</u> | <u>Cumulative</u> <u>Total</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 6,284 | 100,550 | 108,790 | 112,343 | 114,916 | 117,081 |
| Outlays | 98,151 | 104,142 | 5,714 | 100,876 | 109,607 | 113,683 | 116,429 | 118,678 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 199 | 3,250 | | | | |
| --Part-time equivalent | 44 | 61 | -- | 61 | | | | |
| Other | 295 | 350 | 22 | 338 | | | | |

Short-term objectives:

- Maintain existence of the major programs, although at a reduced level.
- Emphasize the collections acquisition, collections management, and administration, facilities management and protection functions by restoring a significant amount of the cut made to these functions at the current level.

Impact on major objectives:

- Original scientific and historical research would be cut back through reductions in the number of researchers and in technical support for research.
- Collections management programs of registration and conservation would be curtailed.
- The quality of the Institution's exhibitions would be reduced in that major art and science shows would be limited in scope; planned refurbishment of exhibit halls would be deferred; and production support for exhibits would be curtailed.
- Education programs in several museums would be curtailed through cutbacks in staff and supplies and through a reduction in the number of workshops, educational brochures and other publications produced.

-- In the administration, facilities management and protection services function, reductions in the core staff in most administrative units and in the guard force would be necessary, interrupting phased programs of planned improvements in these areas. Moreover, other support services, including the maintenance of the public areas of the museum buildings, would be strained.

-- For other national services, it would be necessary to reduce grants made under the auspices of the National Museum Act, and the funds, to be reimbursed to the Government Printing Office for the exchange of government publications, would be inadequate.

Distribution of Resources by Functional Category:

Resources proposed at the intermediate level would be applied as follows:

| <u>Functional Category</u> | Est. | | 1981 | | | | Cumulative | |
|---|------------|---------|---------------|--------|--------------|-------|------------|---------|
| | FY 1980 | | Minimum Level | | This Package | | Total | |
| | FTP Pos | \$000 | FTP Pos | \$000 | FTP Pos | \$000 | FTP Pos | \$000 |
| Research | 495 | 20,684 | 434 | 18,010 | 40 | 1,600 | 474 | 19,610 |
| Collections Management | 580 | 15,935 | 540 | 14,571 | 29 | 913 | 569 | 15,484 |
| Collections Acquisitions | -- | 846 | -- | 691 | -- | 150 | -- | 841 |
| Exhibitions | 314 | 10,132 | 288 | 8,695 | 13 | 782 | 301 | 9,477 |
| Education | 135 | 4,190 | 123 | 3,547 | 5 | 312 | 128 | 3,859 |
| Administration, Facilities Management & Protection | 1,828 | 51,923 | 1,659 | 47,836 | 111 | 2,458 | 1,770 | 50,294 |
| Other National Services | 8 | 1,030 | 7 | 916 | 1 | 69 | 8 | 985 |
| Total | 3,360 | 104,740 | 3,051 | 94,266 | 199 | 6,284 | 3,250 | 100,550 |

CURRENT LEVEL DECISION PACKAGE 1000-3
Smithsonian Institution
Salaries and Expenses: 33-0100-0-1-503

Activity description: This package, with the additional resources included, would enable the Smithsonian to continue, at the current operating level, programs of research, collections management; collections acquisitions; exhibitions; education; administration, facilities management and protection; and other national services. At this level all funds cut to reach the minimum and intermediate levels are restored (\$4.2 million). Of this amount, \$.6 million was reapplied within the base to help strengthen collections management programs and certain research and facilities management needs. (In FY 1979 and FY 1980, a total of \$2.0 million of base resources were reallocated in a similar manner in order to cover the highest priority program requirements before any enhancement level increases were sought.)

Some programs, projected to be funded in FY 1980, had to be reduced in scope or eliminated at the FY 1981 current level, in order to provide the resources necessary to support the critical needs to which funds have been reapplied. These critical needs are:

- Research, through the support for marine systems research at the National Museum of Natural History; for scientific publication support at both the National Museum of Natural History and the Smithsonian Tropical Research Institute; for scientific equipment at both the Radiation Biology Laboratory and the Smithsonian Astrophysical Observatory; and for the addition of a part-time librarian at the Freer Gallery of Art.
- Collections management, by adding a paper conservator and supplies and materials for the Cooper-Hewitt Museum of Design and Decorative Arts; adding part-time technicians to the one-person staffs of the National Portrait Gallery which currently process more than 1700 prints and 650 photographs; adding one full-time and three part-time animal keepers at the National Zoological Park; and providing conservation support for the anthropological collection at the National Museum of Natural History.
- Collections acquisitions, by increasing the level of funding for acquisitions of the National Portrait Gallery from an estimated \$300 thousand in FY 1980 to \$330 thousand in FY 1981.
- Exhibitions, by providing additional funds for two small permanent exhibitions.

- Education, by providing funds for the development of a program for disabled visitors.
Additional funds for this program are sought at an enhancement level (Decision Package 1000-11).
- Administration, by adding, at the Museum of African Art, a position for a Deputy Director.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 4,190 | 104,740 | 113,345 | 117,046 | 119,727 | 121,983 |
| Outlays | 98,151 | 104,142 | 3,810 | 104,686 | 113,738 | 117,968 | 120,818 | 123,151 |

Positions (end of year)

| | | | | |
|------------------------|-------|-------|-----|-------|
| Permanent | | | | |
| --Full-time | 3,314 | 3,360 | 110 | 3,360 |
| --Part-time equivalent | 44 | 61 | -- | 61 |
| Other | 295 | 350 | 12 | 350 |

Short-term objectives:

- Restore funds, which were cut to reach the intermediate level, that are critical to the maintenance and support of existing programs.
- Emphasize collections management, research and facilities management by reallocating \$.6 million of base resources to these functions or within these functions in order to meet significant needs.

Impact on major objectives:

This package assumes that the current level of operation can be sustained only if FY 1979 economic conditions were to prevail during FY 1981. The effects of inflation work against this assumption; therefore funding at this level would mean, in effect, that the Institution's major objectives could not be met at the level at which they are met now.

Distribution of Resources by Functional Category:

Compared with projected allocation for FY 1980, resources proposed at the current level would be applied as follows by functional category:

| <u>Functional Category:</u> | <u>FY 1980 Estimates</u> | | <u>At Current Level</u> | |
|-----------------------------|--------------------------|----------------|-------------------------|----------------|
| | <u>FTP Pos</u> | <u>\$000s</u> | <u>FTP Pos</u> | <u>\$000s</u> |
| Research | 495 | 20,684 | 493 | 20,577 |
| Collections Management | 580 | 15,935 | 582 | 16,162 |
| Collections Acquisitions | -- | 846 | -- | 876 |
| Exhibitions | 314 | 10,132 | 315 | 9,997 |
| Education | 135 | 4,190 | 133 | 4,135 |
| Administration, Facilities | | | | |
| Management & Protection | 1,828 | 51,923 | 1,829 | 51,963 |
| Other National Services | 8 | 1,030 | 8 | 1,030 |
| Total | <u>3,360</u> | <u>104,740</u> | <u>3,360</u> | <u>104,740</u> |

CURRENT SERVICES LEVEL DECISION PACKAGE 1000-4

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: A total of 12 new full-time permanent positions and \$4,232,000 are requested for: 1) anticipated within-grade increases (\$1,177,000) scheduled during FY 1981 and the annualization of the General Schedule and Wage Pay increases anticipated for October 1980 for Washington based employees and other times during this year for Smithsonian employees in other geographic areas (\$185,000); 2) anticipated cost increases in the rent, communications and utilities account (\$2,570,000) primarily as a result of higher rates; and 3) additional costs of operating the Smithsonian Tropical Research Institute in Panama as a result of the Panama Canal Treaty (\$300,000). These cost increases are described in greater detail in the "Other Information" section of this package. They are not included in the inflation package (Decision Package 1000-5).

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|----------------------------------|-------------|-------------|-------------------------------|-----------------------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> <u>Package</u> | <u>Cumulative</u> <u>Total</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 4,232 | 108,972 | 117,900 | 121,750 | 124,538 | 126,884 |
| Outlays | 98,151 | 104,142 | 3,848 | 108,534 | 117,998 | 122,386 | 125,343 | 127,764 |
| Necessary Pay: | | | | | | | | |
| --Within-grade increases | | | 1,177 | | | | | |
| --Annualization of pay raises | | | 185 | | | | | |
| Utilities | | | 2,400 | | | | | |
| Rent | | | 170 | | | | | |
| Panama Canal Treaty- related | | | 300 | | | | | |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 12* | 3,372 | | | | |
| --Part-time equivalent | 44 | 61 | - | 61 | | | | |
| Other | 295 | 350 | - | 350 | | | | |

*Panama Canal Treaty-related

Short-term objectives:

- To meet additional, uncontrollable pay-related costs.
- To cover higher rent, communications and utilities costs anticipated in FY 1981.
- To meet higher costs and additional responsibilities of the Smithsonian Tropical Research Institute associated with the Panama Canal Treaty.

Impact on major objectives:

In view of the "uncontrollable" nature of the components of this decision package, the requested resources are essential to allow the continuation of current level programs and functions. Should this request not be approved, in full or in part, Smithsonian bureaus and offices would be compelled to absorb these costs. Planned programs, therefore, would have to be reduced accordingly.

Other information:

1. Within-grade increases and annualization of FY 1980 pay increases.

These anticipated increases are calculated as a result of a position analysis taking into consideration proposed positions for the current year (FY 1980), the savings from average turnover rates and the filling of vacancies at lower grades, when possible.

2. Rent, Communications and Utilities.

The rent, communications and utilities accounts are comprised of the following components: electricity, heating steam, gas, fuel oil, water, telephone and postage. Additionally, the proportionate Federal rental space costs of the administrative activities located at L'Enfant Plaza, at the Smithsonian Institution Service Center at 1111 North Capitol Street and at the Smithsonian Oceanographic Sorting Center are covered by this account.

The following table depicts actual and anticipated use and cost of the major components of the utilities account between FY 1979 and FY 1981 and summarizes the projected base shortage in each component between the estimated FY 1980 appropriation and the estimated costs for FY 1981.

FY 1978 - 1981 Utilities

| Fiscal Year | Electricity | | | Heating Steam | | | Gas | | |
|------------------|-------------------------------|---------------------------------|----------------|---------------------------------|--|----------------|-------------------------------|-------------------------------------|----------------|
| | Use Millions of KWH | Unit Cost Average Per KWH | Cost \$000s | Use Millions of lbs. | Unit Cost Average Per 1,000 lbs. | Cost \$000s | Use Millions of Cu. Ft. | Unit Cost Average Per Cu. Ft. | Cost \$000s |
| 1978 Actual | 88.8 | .0418 | 3,710 | 266.7 | 8.54 | 2,278 | 1.058 | .2877 | 304 |
| 1979 Est. Actual | | | | | | | | | |
| & 1980 Est. Base | 94.0 | .0434 | 4,079 | 258.6 | 8.93 | 2,308 | 1.017 | .3090 | 314 |
| 1980 Est. | 95.0 | .0538 | 5,116 | 267.0 | 9.67 | 2,580 | 1.023 | .3100 | 317 |
| 1981 Est. | 96.0 | .0589 | 5,654 | 267.0 | 10.74 | 2,867 | 1.023 | .3355 | 343 |
| 1980 Est. Base | | | 4,079 | | | 2,308 | | | 314 |
| 1981 Est. Need | | | 5,654 | | | 2,867 | | | 343 |
| | Base Shortage, Electricity | | 1,575 | Base Shortage, Heating Steam | | 559 | Base Shortage, Gas | | 29 |

NOTE: The Institution plans to seek a utilities supplemental for FY 1980 to offset that year's anticipated base shortage.

Additionally, an increase of \$237,000 is needed to cover projected increased costs associated with telephones (\$128,000), mail (\$73,000) and fuel oil (\$36,000), and an amount of \$170,000 will be required to cover rental increases between FY 1980 and FY 1981.

3. Smithsonian Tropical Research Institute (STRI) Treaty-related costs.

Beginning in FY 1980 and for the next several years, STRI will undergo major changes as a result of the Panama Canal Treaty. These changes will have significant resource requirements associated with them. Under the Treaty, STRI has been designated by the Government of the United States and the Republic of Panama as the custodian of the Barro Colorado Nature Monument, which includes not only Barro Colorado Island, but also four adjacent peninsulas in Gatun Lake. Furthermore, under the Treaty, services that were formerly available from the Panama Canal Company and the Department of Defense, such as personnel administration, mail delivery, customs, labor and immigration services, as well as commissary access, will cease to exist. The most profound changes for resource requirements will be in the areas of security and administration, and, to a lesser degree, in the areas of conservation, environmental education and research.

For FY 1981, a total of 12 full-time permanent positions and \$300,000 are requested.

Under the protection (security) function, seven game warden positions and a total of \$141,000 are requested. The seven game wardens and \$51,000 are required because the area of the expanded Barro Colorado Nature Monument will be increased from 3,900 acres to over 12,000 acres. An additional \$30,000 is needed for two patrol boats and necessary security equipment and \$60,000 will be used to contract essential guard services elsewhere at the Institute.

For administration, three full-time permanent positions and a total of \$117,000 are sought. The three new positions and \$33,000 will enable STRI to hire its own personnel management specialist, a procurement clerk, and a maintenance worker. These positions are essential for STRI to meet its responsibilities under the changed administrative relationships. An amount of \$84,000 will provide for adjustment to the Cost of Living Allowance to be paid STRI employees, for the projected increase in school tuition for STRI employees, and for essential administrative requirements.

Under the research and education categories, two full-time permanent positions and \$42,000 are sought to help STRI meet its greatly expanded research opportunities and environmental responsibilities under the Treaty. The positions are for a resident naturalist who will work principally at Barro Colorado Island and the associated peninsulas and for a clerk-typist in the conservation and environmental education program which has been so successful that it has created additional demands for more clerical support. Further funds are sought for materials such as visual aids for the conservation-environmental education program.

CURRENT SERVICES LEVEL DECISION PACKAGE 1000-5

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Inflation. For the first time in the Smithsonian budget presentation, resources totaling \$1.799 million are requested for cumulative and anticipated higher costs due to inflation. The amount requested is calculated on the basis of seven percent of the total non-salary object classes of expense estimated for FY 1980. This percentage represents a lesser amount than allowable within the OMB Pricing Guidelines for FY 1981 budget. As with other museums and research organizations, inflationary increases represent significant costs that have the cumulative effect of seriously eroding continuing exhibitions, acquisitions, research, collections management and education programs as well as administration, facilities and protection support services. The result of inflation, therefore, is equivalent to a percentage cut each year to the base of all of the Smithsonian's sixty organizational units.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 1,799 | 110,771 | 119,904 | 123,820 | 126,655 | 129,041 |
| Outlays | 98,151 | 104,142 | 1,636 | 110,170 | 119,766 | 124,261 | 127,263 | 129,721 |

Positions (end of year)

| | | | | |
|------------------------|-------|-------|----|-------|
| Permanent | | | | |
| --Full-time | 3,314 | 3,360 | -- | 3,372 |
| --Part-time equivalent | 44 | 61 | -- | 61 |
| Other | 295 | 350 | -- | 350 |

Short-term objective:

-- To offset the effects of inflation in the expenses portion of the Salaries and Expenses appropriation.

Impact on major objectives:

- In view of the effects of inflation, the resources requested in this package are essential to fund all Smithsonian activities at the current level. A significant reduction in the quantity and quality of Smithsonian programs would result if this request is not approved.

Other information:

- Cost increases affecting the Smithsonian's main program areas have been staggering. Perhaps the most significant of these has been the skyrocketing cost of purchasing art. It has become almost impossible for the Institution to keep up a steady level of art acquisitions, an activity crucial to maintaining the breadth and the quality of the Smithsonian collections. For example, following are some prices paid at different times for the same or similar work of arts.

| <u>Work</u> | <u>Year/Price</u> | <u>Year/Price</u> |
|--|-------------------|--------------------|
| "Steel Workers - Noontime" Painting by Thomas Anshutz | 1958: \$7,500 | 1973/74: \$250,000 |
| "Absinthe Drinker" Painting by Picasso | 1950's: \$25,000 | 1977: \$2,000,000 |
| "The Kiss" Bronze Sculpture by Rodin | 1975: \$31,000 | 1977: \$80,000 |
| "The Maiden and Death" Etching by Edvard Munch | 1975: \$4,800 | 1979: \$8,500 |
| Two similar paintings from 1918 by Pendergast | 1974: \$52,600 | 1978: \$160,000 |
| "Gertrude" Lithograph Construction by Red Grooms | 1975: \$637 | 1977: \$1,600 |
| Pencil Drawing by Jeanette Sloan Pascin | 1977: \$400 | 1979: \$1,500 |
| Color Lithograph and Silk Screen Print by Robert Rauschenberg | 1978: \$2,200 | 1979: \$3,200 |

These are not necessarily works bought by Smithsonian museums, but their purchases are on record and serve to indicate the current conditions of the art market.

The costs for producing exhibitions, such an integral part of the Smithsonian's mission, have also been mounting. For example, at the National Portrait Gallery the cost of producing two comparable exhibitions, "Abroad in America: Visitors to the New Nation" (1976) and "Return to Albion: Americans in England," (1979) increased from \$69,000 to \$96,000 (39 percent) in just three years.

Materials used in mounting exhibitions are becoming increasingly costly. The following table shows comparative prices for several supply items used extensively in exhibitions.

| <u>Item</u> | <u>FY 1976 Unit Cost</u> | <u>FY 1977 Unit Cost</u> | <u>FY 1978 Unit Cost</u> | <u>Percentage increase (inflation rate) FY 1976 - 1978</u> |
|--------------------------------|------------------------------|------------------------------|------------------------------|--|
| Plywood - 4x8 sheet - 1/2 inch | \$10.50 | \$11.00 | \$13.00 | 24 percent |
| Plywood - 4x8 sheet - 3/4 inch | 14.95 | 15.00 | 18.95 | 27 percent |
| 2x4's, 16 ft. | 4.00 | 4.25 | 4.65 | 16 percent |
| Drywall 4x8 sheet - 1/2 inch | 2.30 | 2.58 | 3.25 | 41 percent |
| Pine - per board ft. | .96 | 1.10 | 1.65 | 72 percent |
| Paint, white latex - 1 gallon | 3.05 | 3.65 | 5.15 | 69 percent |
| Shellac - 1 gallon | 5.50 | 6.00 | 11.00 | 100 percent |

The cost of books and journals essential for research, for which the Smithsonian Library spends approximately \$475,000 annually, is increasing at a rate of 10-12 percent a year. Costs for basic scientific equipment such as microscopes has been rising as well. For example, one large science museum expends approximately \$150,000 annually for microscopes and accessories.

The inflation rate experienced between FY 1978 and FY 1979 for these essential items is estimated at 12 percent. Costs of scientific supplies such as glassware, acids and reagents have been rising at even higher rates. The situation is still worse for publishing catalogues. A catalogue entitled, "Christian Gullager - Portrait Painter to Federal America" cost \$7,500 in 1976 while a similar catalogue, "Robert Edge Pine - A British Portrait Painter in America" cost \$10,600 in FY 1979, an increase of 41 percent.

Prices for specimen cabinets, drawers, trays, and shelving items used for collections management purposes (collections inventory, specimen preservation and storage) have been increasing as well. For example, in FY 1978 one large bureau expended approximately \$100,000 for these items and it is estimated that in FY 1979 the cost for these same items will be \$108,000, an increase of eight percent.

The National Zoological Park has had different problems in facing inflation. The cost of feeding the animals has increased from \$224,000 in FY 1978 to \$250,000 in FY 1979, a 12 percent increase. The Zoo adopted new measures to deal with the situation. The Zoo has been able, since the acquisition of property in Front Royal, Virginia, to grow its own hay and alfalfa at a considerable cost savings. A staff nutritionist has rearranged the diets of some animals substituting less expensive items for more expensive ones. The Zoo also was able to obtain almost a year's supply of meat for the cost only of shipping it. The meat, found unfit for human consumption, was perfectly adequate for use in the animals' diets. Nevertheless, prices of items of feed that must be purchased are increasing and these increases must be met.

Inflation in the area of contractual services has had a particularly severe impact on the administration, facilities services and protection organizational components. For example, the cost of computer services including equipment rental and computer paper has been increasing at a rate of 11 percent a year on a base of about \$500,000. For outside architectural and engineering services, the Institution has been spending approximately \$300,000 a year and it is estimated that the inflation rate for these services is ten percent a year. The cost of uniform cleaning services for the Office of Protection Services has increased from \$30,000 to \$44,000 between 1978 and 1980 (estimated), an increase of 47 percent. As a final example, the contractual cost of the computerized preventive maintenance administrative system used by the Office of Plant Services for scheduling repair jobs has increased from \$76,000 in FY 1978 to \$98,000 in FY 1979, an increase of 29 percent.

CURRENT SERVICES LEVEL DECISION PACKAGE 1000-6

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Museum Support Center - related costs I. Resources of \$2.5 million and seven full-time permanent positions are included in this package, the first of two packages for Museum Support Center - related costs, as part of a phased plan of meeting the one-time equipment and relocation costs and the continuing operating needs of the Museum Support Center. The additional resources required through FY 1985 are summarized in the "resources requirements," and "other information" sections of this package. Through FY 1985, the one-time costs total \$17.8 million, consisting of an amount of \$11.8 million for collection storage equipment; \$4.9 million for other equipment and furnishings, including an amount of \$1.5 million for equipment needs of the Conservation Analytical Laboratory (CAL); and \$1.1 million for relocation costs of the collections that will be transferred to the Center and of the support units that will be located there. Continuing operating costs for an additional 125 new full-time permanent positions and utilities expenses are anticipated to reach \$3.4 million by FY 1985.

For FY 1981, in this decision package, we are seeking an amount of \$1.6 million (of the \$11.8 million required through FY 1985) for the purchase of a storage equipment system consisting of standardized unit cases, shelves, drawers and wet storage containers incorporated into a three tier racking configuration. The Institution's goal is to provide approximately 458,000 cubic feet of equipped storage space by FY 1985. This equipment will house selected parts of the National Museum of Natural History's collections in anthropology, botany, entomology, invertebrate zoology, vertebrate zoology, mineral sciences, paleobiology, the Oceanographic Sorting Center, and a small portion of the collections of the National Museum of History and Technology.

The major portion of the Conservation Analytical Laboratory, presently located in the Museum of History and Technology Building, is scheduled to be moved to a larger and more efficient work space at the Museum Support Center. The Conservation Analytical Laboratory will have separate research and conservation components at the Museum Support Center, including facilities for conservation training. An amount of \$1.5 million is needed to equip and furnish this laboratory of which \$0.5 million is being requested in this package. A further amount of \$89,000 for seven laboratory technicians for the Conservation Analytical Laboratory also is proposed in this package. The seven requested positions (representing a part of the 27 new positions required for CAL by FY 1985) are needed to plan, develop, and prepare for the coordinated conservation and training

activities that will occur at the Museum Support Center.

For security equipment for the Museum Support Center, requirements totalling \$0.46 million have been identified. An amount of \$0.26 million is sought in this package, with the remaining \$0.2 million expected to be requested in FY 1982.

| | | | 1981 | | Planning Estimates | | | |
|--------------------------------|-------------|-------------|---------------------|-------------------------|--------------------|-------------|-------------|-------------|
| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>This Package</u> | <u>Cumulative Total</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 2,500 | 113,271 | 122,584 | 126,588 | 129,486 | 131,926 |
| Outlays | 98,151 | 104,142 | 2,273 | 112,443 | 122,259 | 126,805 | 129,869 | 132,377 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 7 | 3,379 | | | | |
| --Part-time equivalent | 44 | 61 | -- | 61 | | | | |
| Other | 295 | 350 | -- | 350 | | | | |

Short-term objectives:

- To begin to provide for essential storage, laboratory and security equipment prior to the occupancy of the building in the fall of 1982.
- To begin a phased staff expansion program for the Conservation Analytical Laboratory that will enable it to meet its expanded coordinated conservation and training activities at the Center.

Impact on major objectives:

Resources sought in this package will facilitate the proper care of the collections and the accessibility of the collections for research, study and conservation.

Other information:

The following table summarizes the estimated equipment, relocation and operating costs by year, projected through FY 1985. The table assumes approval of resources requested in this package for FY 1981.

MUSEUM SUPPORT CENTER
EQUIPMENT, RELOCATION, OPERATING COSTS: FY 1980 - FY 1985
(Dollars are in thousands; FTP postions are in parentheses)

| <u>One-time costs</u> | <u>FY 1980</u> | <u>FY 1981</u> | <u>FY 1982</u> | <u>FY 1983</u> | <u>FY 1984</u> | <u>FY 1985</u> | <u>TOTAL</u> |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| --collection storage equipment | 250 | 1,901 | 5,590 | 1,690 | 1,153 | 1,199 | 11,783 |
| --other equipment and furnishings | -- | 760 | 1,405 | 1,405 | 1,418 | -- | 4,988 |
| --relocation costs | -- | -- | -- | 1,062 | -- | -- | 1,062 |
| Total: One-time costs | 250 | 2,661 | 6,995 | 4,157 | 2,571 | 1,199 | 17,833 |
| <u>Annual Operating Costs</u> | -- | (7) 89 | (76)1,104 | (119)2,997 | (122)3,193 | (125)3,372 | |

ENHANCEMENT LEVEL DECISION PACKAGE 1000-7

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Exhibitions I. Resources included in this package (\$713,000 and one full-time permanent and three part-time equivalent positions), the first of three enhancement level packages for this functional category, will provide for allotments to various history and art museums for the creation of major new exhibitions, in particular the National Museum of History and Technology. The funds will also make possible the development of a major new exhibition, "Sports in America" by the National Portrait Gallery; enable the Cooper-Hewitt Museum to develop graphic design capability in-house as well as provide production assistance for exhibitions; enable the Freer Gallery of Art to prepare a major exhibition of the Indian art objects in its collections, and to prepare an associated research catalogue; and improve the rigging capability of the Office of Plant Services in support of the exhibits programs throughout the Institution.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 713 | 113,984 | 123,365 | 127,394 | 130,311 | 132,766 |
| Outlays | 98,151 | 104,142 | 648 | 113,091 | 122,904 | 127,475 | 130,554 | 133,076 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 1 | 3,380 | | | | |
| --Part-time equivalent | 44 | 61 | 3 | 64 | | | | |
| Other | 295 | 350 | - | 350 | | | | |

Short-term objectives:

- Assure the capability to develop important and timely new exhibitions and replace existing ones as necessary.

-- Support specific exhibitions at two major history and art museums.

-- Provide essential exhibits support in all museums.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the exhibitions function would increase from \$10.3 million at the current services level to \$11.0 million.

Other information:

In addition to support requirements for exhibits efforts (supplies, equipment, etc.) explained in the activity description, resources are sought in this package for the following programs:

- Major Exhibitions Program - The largest portion of the funds sought in this package, an amount of \$500,000, is designated for development of major exhibitions in various history and art museums. Given the increasing costs associated with new exhibitions (currently ranging from \$50 to \$75 per square foot, not including salaries) and the importance of maintaining quality exhibitions appropriate for the national museums, the creation of a significant fund for major exhibitions development and replacement is essential. For example, the National Museum of History and Technology (NMHT) has the most urgent immediate need, having had exhibits funds cut back when other needs were more pressing, and having been between directors. Now, with a new director, the Museum will implement a ten-year plan to replace all outdated exhibitions, to organize the exhibitions on the three floors more coherently and to put the Museum's most important collections on public display. This will involve, by 1989, the replacement of about 80 percent of all present public exhibitions in the Museum covering 250,000 square feet of space. Presently, NMHT has only \$130,000, not including salaries, in base resources for all aspects of exhibits maintenance and development.

It has become increasingly clear that a major infusion of new funds will be necessary in order to maintain standards of excellence, not only in the National Museum of History and Technology, but in the other national museums as well. We believe that rather than committing funds permanently to an individual museum's base, it will be more effective to maintain a general fund which can be drawn upon by any of the museums and which can

also be used for cooperative, intermuseum exhibitions. The \$500,000 requested is half of what we are requesting (the second half is requested in Decision Package 1000-12 of this budget) and only a fraction of what we need. We expect to continue seeking private funds to help support our exhibit endeavors, and what we are able to accomplish will depend to a large extent on how much money we are able to find.

- National Portrait Gallery - development of a major exhibition that will document the history of sports in America from the standpoint of the great sports figures in the nineteenth and twentieth centuries. The exhibition will include over 100 portraits and between 200-300 objects. Following a showing at the Gallery the exhibition will travel to other museums throughout the country.
- Freer Gallery of Art - with the assistance of a leading specialist, the Museum's outstanding collection of India art will be catalogued, and a major exhibition on Indian art, with an associated catalogue, will be prepared.
- Office of Plant Services - one full-time permanent position is required for a rigger to assist in exhibits production. The possibility of using outside rigging services has been explored and rejected because of higher costs.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-8

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Research I. Resources included in this package (\$520,000 and six full-time permanent, three part-time equivalent; and two other positions) represent the first of two enhancement levels to promote original historical, scientific, and cultural research, and library support of research. Funds are requested to provide research support to the Chesapeake Bay Center for Environmental Studies in order to permit the Center to maintain its watershed monitoring system and to continue the long-term study of the effects of land use on water quality in estuaries; to provide three full-time permanent astronomer positions for the Smithsonian Astrophysical Observatory for its optical and infrared division (funds associated with the positions are available within the Multiple Mirror Telescope base); to sponsor Institutional programs in environmental research; to purchase essential scientific equipment for the Radiation Biology Laboratory; to enable the National Collection of Fine Arts to strengthen and coordinate various research activities into a focused program on pre-20th Century arts; to further research being conducted within the Division of Performing Arts on its African Diaspora project; and to permit essential book acquisitions, cataloguing and other services provided by the centralized Smithsonian Institution Libraries in support of research efforts throughout the Institution.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 520 | 114,504 | 123,886 | 127,932 | 130,861 | 133,327 |
| Outlays | 98,151 | 104,142 | 473 | 113,564 | 123,456 | 128,010 | 131,103 | 133,635 |

Positions (end of year)

Permanent

| | | | | |
|------------------------|-------|-------|---|-------|
| --Full-time | 3,314 | 3,360 | 6 | 3,386 |
| --Part-time equivalent | 44 | 61 | 3 | 67 |
| Other | 295 | 350 | 2 | 352 |

RESEARCH FIRE 8

FY 85 620 31,654
164,321

FY 86 630.25 34,972

185,590

Spring
FY 87
Budget Call

Short-term objective:

- To further the data gathering research programs at various Smithsonian bureaus and the dissemination of results in such specific areas as astronomy, biology, art history, and cultural history.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the research function would increase from \$21.2 million at the current services level to \$21.7 million.

Other information:

In addition to the support needs for research efforts (supplies, equipment, library books) explained in the activity description, resources are sought in this decision package for the following research programs:

- Chesapeake Bay Center for Environmental Studies - continuation of watershed monitoring and land-use studies programs, previously funded principally by short-term grants and contracts from a variety of Federal agencies. Capability is sought here for the long-term core support of this program which is concerned with defining how changes in land use over a period of years affects water quality as well as plant and animal communities. Although it would be desirable to establish a full-time permanent staff of 12 for this program, the staffing portion of this request is limited to one full-time permanent position, with the balance of support to be provided through contracted services.
- Smithsonian Astrophysical Observatory - three new full-time permanent positions are sought to develop instrumentation that will apply the latest technology in imaging detectors, such as photon-counting imaging devices and charged-couple device cameras, and to strengthen the observational staff in the areas of extragalactic and infrared astronomy. Funds for these positions will be provided by reprogramming an amount of \$100,000 from the Multiple Mirror Telescope base.
- Radiation Biology Laboratory - for the purchase of equipment including a pyrhelimeter and a circular dichroism spectrophotometer. The pyrhelimeter with tracer will be used to measure the solar radiation reaching the earth's surface. The circular dichroism spectrophotometer will be used to measure the light absorption properties of pigments.

- National Collection of Fine Arts - the most urgent need facing the National Collection of Fine Arts is a curatorial reorganization and strengthening of its Department of 18th and 19th Century Painting and Sculpture. Under the contemplated reorganization, the Department would be retitled Pre-20th Century Arts, and a new curator/scholar at the GS-13 level would be hired with a primary strength in 19th Century American Art. This curator will be responsible for all collections and related staff in the areas of pre-20th Century arts and for directing research and education activities focusing on 19th Century American art. The funds requested will support salary, supplies and travel, and three research fellowships.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-9Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity Description: Collections Management I. Resources included in this package (\$220,000 and five full-time and three part-time equivalent positions), the first of two enhancement level packages for collections management, will be used for conservation, collections management and library needs. Specifically, funds are designated to provide for an assistant paper conservator at the National Museum of History and Technology; a conservation technician and an oriental art specialist at the Freer Gallery of Art; for additional part-time technicians to assist with the inventory at the National Museum of History and Technology; for a photographer in the Office of Printing and Photographic Services; for the outside contracting of a significant amount of routine black and white photographic laboratory work; for the project to eliminate hazardous nitrate negatives from photographic collections throughout the Institution; and for an additional librarian at the Cooper-Hewitt Museum of Design and Decorative Arts in New York City.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 220 | 114,724 | 124,146 | 128,200 | 131,136 | 133,607 |
| Outlays | 98,151 | 104,142 | 200 | 113,764 | 123,679 | 128,278 | 131,377 | 133,915 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 5 | 3,391 | | | | |
| --Part-time equivalent | 44 | 61 | 3 | 70 | | | | |
| Other | 295 | 350 | - | 352 | | | | |

THE UNIVERSITY OF CHICAGO

OFFICE OF THE DEAN OF STUDENTS

THE UNIVERSITY OF CHICAGO is a private, non-profit institution of higher learning. It is a member of the Association of American Universities and the Association of Christian Colleges and Universities.

The University is committed to the highest standards of academic excellence and to the advancement of knowledge in all fields of inquiry. It is a place where students are challenged to think critically and to pursue their intellectual interests with passion and dedication.

The University is also committed to the development of its students as individuals and as members of the global community. It provides a wide range of opportunities for students to engage in research, to participate in community service, and to develop their leadership skills.

The University is a place where students are encouraged to explore their own beliefs and values and to engage in dialogue with others. It is a place where students are challenged to grow and to learn, and where they are supported in their pursuit of knowledge and wisdom.

The University is a place where students are encouraged to be curious and to ask questions. It is a place where students are challenged to think deeply and to seek the truth. It is a place where students are supported in their journey of discovery and where they are encouraged to share their insights with the world.

| Undergraduate Admissions | | | | Graduate Admissions | | | |
|--------------------------|----------|----------|-------|---------------------|----------|----------|-------|
| Applicants | Accepted | Enrolled | Yield | Applicants | Accepted | Enrolled | Yield |
| 1,200 | 150 | 120 | 80% | 500 | 50 | 40 | 80% |
| 1,100 | 140 | 110 | 78% | 450 | 45 | 35 | 78% |
| 1,300 | 160 | 130 | 81% | 550 | 55 | 45 | 82% |
| 1,400 | 170 | 140 | 83% | 600 | 60 | 50 | 84% |
| 1,500 | 180 | 150 | 85% | 650 | 65 | 55 | 86% |
| 1,600 | 190 | 160 | 87% | 700 | 70 | 60 | 88% |
| 1,700 | 200 | 170 | 89% | 750 | 75 | 65 | 90% |
| 1,800 | 210 | 180 | 91% | 800 | 80 | 70 | 92% |
| 1,900 | 220 | 190 | 93% | 850 | 85 | 75 | 94% |
| 2,000 | 230 | 200 | 95% | 900 | 90 | 80 | 96% |

| Financial Aid | | | | Research and Publications | | | |
|---------------|----------|----------|-------|---------------------------|----------|----------|-------|
| Applicants | Accepted | Enrolled | Yield | Applicants | Accepted | Enrolled | Yield |
| 1,200 | 150 | 120 | 80% | 500 | 50 | 40 | 80% |
| 1,100 | 140 | 110 | 78% | 450 | 45 | 35 | 78% |
| 1,300 | 160 | 130 | 81% | 550 | 55 | 45 | 82% |
| 1,400 | 170 | 140 | 83% | 600 | 60 | 50 | 84% |
| 1,500 | 180 | 150 | 85% | 650 | 65 | 55 | 86% |
| 1,600 | 190 | 160 | 87% | 700 | 70 | 60 | 88% |
| 1,700 | 200 | 170 | 89% | 750 | 75 | 65 | 90% |
| 1,800 | 210 | 180 | 91% | 800 | 80 | 70 | 92% |
| 1,900 | 220 | 190 | 93% | 850 | 85 | 75 | 94% |
| 2,000 | 230 | 200 | 95% | 900 | 90 | 80 | 96% |

Short-term objectives:

- To proceed with the collections inventory at the National Museum of History and Technology.
- To improve the care accorded to the collections by providing adequate conservation and preservation services.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the collections management function would increase from the \$18.9 million requested at the current services level to \$19.1 million.

Other Information:

- National Museum of History and Technology - funds and part-time positions for inventory technicians are requested for conducting the inventory of the tens of thousands of objects stored at the Museum's Silver Hill facilities and for the preservation and restorative treatment of a growing backlog of documents which have not received such attention.
- Office of Printing and Photographic Services - a full-time position and associated funds for a photographer are requested to allow for full-time continued development of a computerized catalogue of photographic negatives. The outside contracting proposed for routine work would allow the skilled staff presently doing this work to concentrate on collections management efforts.
- Cooper-Hewitt Museum - a librarian and associated funds are needed for the understaffed library. Although there are approximately 30,000 volumes in this specialized collection, to which improved access is needed urgently by Museum staff, as well as by the design community, there are, at present, only one librarian and one library technician.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-10

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Administration, Facilities Management and Protection Services I. This decision package, the first of two enhancement level packages for this functional category, includes resources for a) the meeting of essential requirements and the strengthening of selected areas of the Institution's central administrative offices; b) the care of Smithsonian buildings and other physical facilities; and c) the protection of Smithsonian facilities, collections, staff, and visitors. The resources in the package total \$772,000 and 17 full-time permanent, four part-time equivalent, and eight other positions.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds</u> (\$000) | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 772 | 115,496 | 125,018 | 129,101 | 132,057 | 134,545 |
| Outlays | 98,151 | 104,142 | 702 | 114,466 | 124,388 | 129,015 | 132,131 | 134,684 |

Positions (end of year)

| | | | | |
|------------------------|-------|-------|----|-------|
| Permanent | | | | |
| --Full-time | 3,314 | 3,360 | 17 | 3,408 |
| --Part-time equivalent | 44 | 61 | 4 | 74 |
| Other | 295 | 350 | 8 | 360 |

Short-term objectives:

- To meet the most critical needs in administration.
- To provide proper maintenance and protection services to the physical plant at all Smithsonian facilities.
- To assure adequate protection of the collections, buildings, staff, and visitors.

Impact on major objectives:

-- With resources proposed in this package, total resources devoted to the administration, facilities management and protection services function would increase from \$56.7 million requested at the current services level to \$57.5 million.

Other information:

Resources (\$269,000, two full-time permanent, two part-time equivalent, and one other position) are sought in this decision package for the following administration requirements:

-- Office of Programming and Budget, Management Analysis Office, and Office of the Treasurer - to correct base deficiencies that have occurred in these offices because of the larger proportion of funds that must be devoted to staff salaries as a result of merit promotions and because of the higher cost of supplies and equipment.

-- Office of Equal Opportunity and Smithsonian Institution Press - to initiate an equal employment opportunity (EEO) cooperative education program and to further the upward mobility program through the creation of an EEO publication distribution clerk position.

-- Internal Audit Division - to reduce the audit cycle from seven to six years in accordance with the recommendation of management reviews of the Institution.

-- Office of Computer Services - to provide for additional computer usage mainly through outside contracting in order to keep pace with increasing demand while maintaining current staffing.

-- Office of General Counsel - to meet a continually growing workload by extending the hours of one part-time attorney and hiring part-time clerical assistance.

-- Office of the Assistant Secretary for Museum Programs - to provide clerical assistance to the rare book specialist.

9

Resources (\$343,000, seven full-time permanent, two part-time equivalent, seven other positions) are requested for the following facilities management requirements:

-- Radiation Biology Laboratory - to hire a part-time greenhouse technician and to purchase associated supplies for the Radiation Biology Laboratory greenhouse expected to be in operation by late FY 1980.

-- Smithsonian Tropical Research Institute and the South Group Buildings Management (which consists of the Smithsonian Institution and the Arts and Industries Buildings) - to provide additional janitorial services and general facilities services.

-- Office of Horticulture - to provide additional (part-time) grounds and nursery staff to meet requirements associated with the Garden for the Handicapped and East Garden; the maintenance of Mall museums; and the maintenance of additional acreage acquired during the last few years at Silver Hill.

-- Office of Plant Services - to add a mechanic position to service the Institution's physical plant.

-- Office of Facilities Planning and Engineering Services and Office of Facilities Services - to meet an increased architectural and engineering workload through the addition of an architect/engineer position and provision for additional contracting for architectural and engineering services.

Resources (\$160,000, eight full-time permanent positions) are requested for the following protection services:

-- Office of Protection Services - to meet the current need for guards and to initiate equipment purchases for maintenance of the Smithsonian's security system. The guards will be used in the Museum of History and Technology, the Museum of Natural History, the Air and Space Museum, and the Fine Arts and Portrait Galleries to replace guards that have been transferred to the Institution's Silver Hill Facility and the Renwick Gallery.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-11

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Education I. Resources included in this package (\$42,000 and one full-time permanent and two part-time equivalent positions) represent the first of two enhancement level packages for this functional category. Resources are sought to continue the development of special education programs, on a permanent basis, for disabled visitors; to meet the increased workload in the Visitor's Information and Associates Reception Center; and to cover a base deficiency in the Office of Telecommunications.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 42 | 115,538 | 125,070 | 129,141 | 132,098 | 134,587 |
| Outlays | 98,151 | 104,142 | 39 | 114,505 | 124,428 | 129,055 | 132,173 | 134,726 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 1 | 3,409 | | | | |
| --Part-time equivalent | 44 | 61 | 2 | 76 | | | | |
| Other | 295 | 350 | - | 360 | | | | |

Short-term objectives:

- To make all Smithsonian educational activities available to members of the disabled community.
- To increase responsiveness on the part of the Smithsonian to public inquiries about the Institution.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the education function would increase from the \$4.27 million requested at the current services level to \$4.31 million.

Other information:

- Office of Elementary and Secondary Education - Over the past two years the Smithsonian has become increasingly aware of the need to make all activities sponsored by the Smithsonian available to members of the disabled community. This need became apparent recently when the Resident Associates Program was asked to provide a communications interpreter for a hearing impaired Associate wishing to participate in an adult class. This is only one example of the many requests received to accommodate disabled persons throughout the Institution. Presently the requests are handled on an individual basis, each treated as a separate and uniquely different case. This proposal seeks to establish a uniform way of fulfilling requests for program services for the disabled on a continuing level. Classes, guided tours and printed materials also will have to be able to meet these requests. Resources sought in this package, combined with an amount redirected from the current level, will be used to establish general guidelines and policies for addressing the program needs of the disabled community.
- Visitor's Information and Associates Reception Center - The additional resources requested will be used to help respond to more than 30,000 public inquiries made to the Smithsonian each year. The number of such inquiries has been growing at the rate of approximately ten to 15 percent a year.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-12
Smithsonian Institution
 Salaries and Expenses: 33-0100-0-1-503

Activity description: Exhibitions II. Resources included in this package (\$500,000), the second of three enhancement level packages for this functional category, would provide funds (in addition to those sought in Decision Package 1000-7) to be used for allotments to various history and art museums to allow for the creation of major new exhibitions.

| | 1979 | 1980 | 1981 | | Planning Estimates | | | |
|--------------------------------|--------|---------|-----------------|---------------------|--------------------|---------|---------|---------|
| | | | This Package | Cumulative Total | 1982 | 1983 | 1984 | 1985 |
| <u>Resource requirements:</u> | | | | | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 500 | 116,038 | 125,577 | 129,679 | 132,648 | 135,147 |
| Outlays | 98,151 | 104,142 | 454 | 114,959 | 124,970 | 129,617 | 132,749 | 135,313 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | - | 3,409 | | | | |
| --Part-time equivalent | 44 | 61 | - | 76 | | | | |
| Other | 295 | 350 | - | 360 | | | | |

Short-term objective:

-- Assure the capability to develop major new exhibitions and replace existing ones when necessary.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the exhibitions functions would increase from \$11.0 million requested at the first enhancement level to \$11.5 million.

Other information:

The purpose of this program has been explained in the Exhibitions I Decision Package (1000-7). These additional funds would allow more exhibitions to be produced.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-13

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Education II. Resources in this package, the second of two enhancement level packages for this functional category, (\$324,000 and two full-time permanent and two part-time equivalent positions), are requested to provide both needed support to existing educational programs and the opportunity to develop new and needed educational programs, particularly those that provide educational services to a varied public.

Basic support funds for supplies, equipment and clerical assistance are requested for the National Museum of Natural History (one full-time permanent position is requested for the Museum, as well), the National Zoological Park, the Museum of African Art, the Office of Smithsonian Symposia and Seminars, the Office of Telecommunications, the Anacostia Neighborhood Museum, the Native American Training Program, the Office of Museum Programs, and the Smithsonian Tropical Research Institute.

In addition, resources are requested to expand the educational outreach program at the National Air and Space Museum; to appoint a graphics specialist for the Chesapeake Bay Center; to develop a new educational program at the National Collection of Fine Arts; to expand demonstrations of musical instruments at the National Museum of History and Technology; to expand radio activities of the Office of Telecommunications; and to provide an additional fellowship for the program in which disabled students perform work for the Smithsonian Institution Archives during the summer months.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|---------------------|-------------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This Package</u> | <u>Cumulative Total</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 324 | 116,362 | 125,968 | 130,082 | 133,060 | 135,567 |
| Outlays | 98,151 | 104,142 | 295 | 115,254 | 125,228 | 129,885 | 133,023 | 135,592 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 2 | 3,411 | | | | |
| --Part-time equivalent | 44 | 61 | 2 | 78 | | | | |
| Other | 295 | 350 | - | 360 | | | | |

Short-term objectives:

- To continue and improve educational programs at the Smithsonian.
- To initiate new programs, particularly those which are directed towards minority groups and disabled individuals.

Impact on major objectives:

With resources proposed in this package, total resources devoted to education programs would increase from \$4.3 million requested at the first enhancement level (Decision Package 1000-11) to \$4.6 million.

Other information:

- National Air and Space Museum - Funds requested here would support programs which are designed to reach multicultural, disabled and geographically widespread audiences.
- Chesapeake Bay Center for Environmental Studies - A graphics specialist would initiate development of printed and photographic educational materials for use in schools and informal educational settings which would illustrate specific findings of the Center's research programs.
- National Collection of Fine Arts - Funds would permit the museum to concentrate on developing films, teachers' workshops and accompanying handbooks, and would fund a study by an independent consultant on the possibilities open to the National Collection of Fine Arts for conducting programs for disabled visitors.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-14

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Research II. Resources included in this package (\$857,000 and nine full-time permanent, one part-time equivalent, and three other positions), the second of two enhancement level packages for this functional category, support basic research programs which provide essential data in order to provide a better basis for decision making on long-term national problems. They also support research activities in the Institution's history and art bureaus and in the Conservation Analytical Laboratory.

Specifically, items for which resources are sought are: the estuarine study (previously described in Decision Package 1000-8) at the Chesapeake Bay Center; a biology laboratory technician at the Radiation Biology Laboratory; a scientist to work with the remote arid land sensing program conducted at the National Air and Space Museum; programs at the Smithsonian Tropical Research Institute including biological conservation aimed at tropical deforestation, a part-time computer specialist, a diving safety officer who would be responsible for all of the diving activities, and a freshwater biologist needed to fill an intellectual gap in STRI's professional staff; programs at the Smithsonian Astrophysical Observatory, specifically, the Multiple Mirror Telescope Program (from which funds were redirected at the base), the establishment of an x-ray imaging detector laboratory, the replacement of test equipment for the hydrogen maser laboratory, and support to bring the Langley-Abbot Program towards the annual operating level originally proposed; scientific illustration, publication support and research programs at the National Museum of Natural History; additional research through the International Environmental Science Program; a term position for a primatologist for anthropoid research at the National Zoological Park; and additional funds to expand the research programs of the Center for the Study of Man.

Research resources requested for the history and art bureaus consist of additional funds for: the pre-20th Century art program (described in Decision Package 1000-8) of the National Collection of Fine Arts; the restoration of funds for publications of the Folklife program; a program to publish important historical documents in the Archives of American Art and an interlibrary loan technician to handle increased demand for loan of microfilmed documents by students and scholars in institutions across the country; the development of two of five planned catalogues on significant collections at the Museum of History and Technology; support in the division of painting and sculpture of the

Hirshhorn Museum; a cataloguer for the library of the National Portrait Gallery to eliminate a several year backlog of some 6,000 titles and to keep cataloguing current; the purchase of out-of-print library books to support needs of the Portrait Gallery in American history and biography; and the purchase of microfilm sets of 19th Century periodicals, especially on photographic portraiture.

Finally, resources are requested for the support of publication of research findings in archeometry as well as for materials and equipment for the Conservation Analytical Laboratory.

| | | 1981 | | Planning Estimates | | | | |
|-------------------------|--------|---------|--------------|--------------------|---------|---------|---------|---------|
| Resource requirements: | 1979 | 1980 | This Package | Cumulative Total | 1982 | 1983 | 1984 | 1985 |
| Funds (\$000) | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 857 | 117,219 | 126,879 | 131,022 | 134,023 | 136,548 |
| Outlays | 98,151 | 104,142 | 779 | 116,033 | 126,261 | 130,956 | 134,120 | 136,711 |
| Positions (end of year) | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | 9 | 3,420 | | | | |
| --Part-time equivalent | 44 | 61 | 1 | 79 | | | | |
| Other | 295 | 350 | 3 | 363 | | | | |

Short-term objectives:

- To provide continuing and increased support to continuing research programs throughout the Institution.
- To support new significant research programs at the Institution.

Impact on major objectives:

With resources proposed in this package, total resources devoted to research would increase from the \$21.7 million requested at the first enhancement level (Decision Package 1000-8) to \$22.5 million.

Other information:

In addition to the staffing and support needs for research efforts explained in the activity description, resources are sought in this decision package for the following research programs:

- Smithsonian Astrophysical Observatory - establishment of a permanent x-ray imaging laboratory in order to provide scientists with a permanent facility for the development and testing of new concepts in x-ray imaging; strengthening research in solar variability to capitalize on the development of new observational techniques, such as solar "seismology," and instruments, such as precision solar radiometers, which have made possible critical new observations on the structure and the dynamics of the solar interior, and its relation to solar variability.
- International Environmental Science Program - development of a series of monitoring sites at the Chesapeake Bay Center and the Smithsonian Tropical Research Institute in order to measure the vertical distribution and diurnal cycle of temperature and moisture in the air and soil at each site.
- National Museum of Natural History - establishment of a marine systems program that will involve development, in aquaria in the Museum, of living ecosystems of several marine communities for both research and education purposes; a vertebrate skeleton study designed to enable scientists to learn more about structural morphology, with important implications for both medical science and the conservation of endangered species; and a marine sediments program designed to establish environmental benchmarks by which abnormal levels of pollution can be identified.
- National Anthropological Film Center - development of visual access and retrieval facilities for research films.
- National Museum of History and Technology - production of two scholarly catalogues of significant collections of the Museum - "George Washingtoniana" and "Stoneware." Future catalogues will include 19th Century instruments, prime movers, and fashion plates.
- National Collection of Fine Arts - building up of research resources for the scholarly study of 19th Century American art, including indices of works of art, slide and photographic files, and the computer retrieval program of art historical reference materials.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-15

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Collections Management II. Resources included in this package (\$483,000 and seven full-time, four part-time equivalent, and one other position), the second of two enhancement level packages requested for this functional category, are designated largely for support of collections management and inventory programs for the science and history and art collections. Specifically, this request would provide for a conservator and associated support for conservation of the anthropological collections at the Museum of Natural History; for inventory support at the Air and Space Museum; for expanding the microfiche of aeronautical and astronautical history collections, also at the Air and Space Museum; for part-time clerical help and support at the Zoo for collection and organization of pathology data and for an animal keeper at the Front Royal Conservation and Research Center; for improvement of herbarium services at the Museum of Natural History; for basic support, including storage equipment for the Archives of American Art, the Smithsonian Institution Archives, the Museum of History and Technology, and the National Collection of Fine Arts; for an assistant object conservator and part-time inventory technicians at the Museum of History and Technology; and for the organization of the Elisofo collection at the Museum of African Art.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|---------------------|-------------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This Package</u> | <u>Cumulative Total</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 483 | 117,702 | 127,399 | 131,560 | 134,572 | 137,108 |
| Outlays | 98,151 | 104,142 | 439 | 116,472 | 126,519 | 131,224 | 134,394 | 136,990 |

Positions (end of year)

Permanent

| | | | | |
|------------------------|-------|-------|---|-------|
| --Full-time | 3,314 | 3,360 | 7 | 3,427 |
| --Part-time equivalent | 44 | 61 | 4 | 83 |
| Other | 295 | 350 | 1 | 364 |

Short-term objectives:

- To increase basic support for collections management programs at specific museums including inventory work and conservation.
- To obtain a centralized index and record of all aeronautical and astronautical history collections in the United States.
- To reduce backlog in giving objects and specimens the proper storage and preservative and restorative treatment needed.
- To move towards establishing a stable and self-sustaining collection at the Zoo to minimize further taking from the wild and to improve the care accorded to the animals.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the collections management function would increase from \$19.1 million requested at the first enhancement level (Decision Package 1000-9) to \$19.6 million.

Other information:

- National Museum of Natural History - A part of the requested resources will provide support for the small anthropology conservation laboratory to help rescue the valuable anthropological specimens which are deteriorating and to prepare them properly for the move to the Museum Support Center. The other part of the Museum's request is to work on the enormous backlog of specimens which need to be processed for entry into the Herbarium.
- National Air and Space Museum - The microfiching which the Museum proposes to undertake would bring to the Museum an index and record of all the aeronautical and astronautical documents which exist throughout the country and make them accessible for widespread use.
- National Zoological Park - The request is geared towards improving health care and upgrading husbandry and herd growth at the Front Royal Conservation and Research Center.
- National Museum of History and Technology - The request would provide for preservative and restorative treatment of a growing backlog of objects of mixed composition and for additional support for the inventory of tens of thousands of objects stored at the Silver Hill facilities.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-16

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Administration, Facilities Management and Protection Services II. This is the second package in this budget devoted to a) the meeting of essential requirements and the strengthening of selected areas of the Institution's central administrative offices; b) the care of Smithsonian buildings and other physical facilities; and c) the protection of Smithsonian facilities, collections, staff, and visitors. The resources in this package total \$1.05 million, and 13 full-time permanent, one part-time equivalent, and five other positions.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 1,047 | 118,749 | 128,570 | 132,769 | 135,809 | 138,368 |
| Outlays | 98,151 | 104,142 | 952 | 117,424 | 127,552 | 132,295 | 135,491 | 138,109 |

Positions (end of year)

| | | | | |
|------------------------|-------|-------|----|-------|
| Permanent | | | | |
| --Full-time | 3,314 | 3,360 | 13 | 3,440 |
| --Part-time equivalent | 44 | 61 | 1 | 84 |
| Other | 295 | 350 | 5 | 369 |

Short-term objective:

-- To strengthen administrative services and to assure the proper maintenance and protection of all Smithsonian facilities.

Impact on major objectives:

-- With resources proposed in this package total resources devoted to the administration, facilities management and protection services function would increase from \$57.5 million requested at the first enhancement level (Decision Package 1000-10) to \$58.5 million.

Other Information:

Resources (\$366,000, two full-time permanent and one part-time equivalent position) are requested in this package for the following administrative requirements:

-- National Zoological Park, Office of Fellowships and Grants, Center for the Study of Man, Radiation Biology Laboratory, Smithsonian Tropical Research Institute, the Smithsonian Astrophysical Laboratory, and the Office of the Assistant Secretary for Museum Programs - to purchase supplies, equipment, and clerical support.

-- Office of the Assistant Secretary for Museum Programs - to undertake special studies on collections management, conservation awareness and similar museum problems through the use of consultants, preparation of special reports, and symposia on museological matters.

-- Office of Personnel Administration - to sustain progress toward the goal of reducing the ratio between the Office of Personnel staffing to overall Smithsonian employment to about 1:80 (rather than the current 1:100).

-- Management Analysis Office - to hire a directives analyst who will participate in the development of a new comprehensive directives system.

-- Office of Computer Services - to purchase contractual services for programming support in order to help keep pace with increasing demand while maintaining current staffing.

-- Office of the Treasurer - to hire a part-time accounting technician to serve the Fine Arts and Portrait Galleries on-site as well as to provide additional computer time for the central office.

Resources (\$442,000, three full-time permanent and five other positions) are required for the following facilities management requirements:

- Chesapeake Bay Center for Environmental Studies - to restore Poplar Island operations.
- Smithsonian Tropical Research Institute, National Zoological Park, National Air and Space Museum, and the Hirshhorn Museum and Sculpture Garden - to provide various essential services including those for cleaning and painting.
- South Group Buildings Management - to provide staff for shipping and receiving services. The South Group Buildings Management is responsible for providing essential services for the Smithsonian Institution and the Arts and Industries Buildings.
- Office of Horticulture - to provide additional (part-time) grounds and nursery staff to meet requirements associated with the Garden for the Handicapped and East Garden; the maintenance of Mall museums; and the maintenance of additional acreage acquired during the last few years at Silver Hill.
- Office of Facilities Planning and Engineering Services - to provide funds for the contracting of architectural and engineering services.
- Office of Plant Services - to purchase auto emission test equipment.

Resources (\$239,000 and eight full-time permanent positions) are requested for protection services as follows:

- Office of Protection Services - to add seven guards to help protect adequately all of the Smithsonian facilities and restore funds for extended summer hours which had been redirected in the FY 1979 budget. The extended summer hours were not curtailed and thus there is a need for restoration of these funds.
- Chesapeake Bay Center for Environmental Studies - to hire an assistant security officer and to purchase protection equipment.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-17

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Collections acquisitions. Resources sought in this package (\$325,000) will be used for purchases of acquisitions for the National Collections in several history and art museums and in one science museum.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 325 | 119,074 | 128,961 | 133,173 | 136,222 | 138,789 |
| Outlays | 98,151 | 104,142 | 296 | 117,720 | 127,939 | 132,697 | 135,903 | 138,528 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | - | 3,440 | | | | |
| --Part-time equivalent | 44 | 61 | - | 84 | | | | |
| Other | 295 | 350 | - | 369 | | | | |

Short-term objective:

-- To assist Smithsonian museums in meeting the responsibility of carefully planned development of the National Collections necessary to support of research, exhibition, and education programs.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the collections acquisition function would increase from \$0.9 million at the current services level to \$1.2 million.

Other information:

The funds requested in this package will be used for purchases of works of art and objects by the Hirshhorn Museum and Sculpture Garden, the National Collection of Fine Arts, the Museum of African Art, the Freer Gallery of Art and the Museum of History and Technology. In addition, acquisitions funds are sought for the National Museum of Natural History for purchases for the anthropological collections. Such materials, limited to begin with, become less available and increasingly costly in a world of growing demand. If the National Collections are to remain a primary source for research and education, more funds to acquire important objects and works of art for the collections simply must be provided.

As noted in the introductory section on non-appropriated Trust funds, the annual allocation of \$1 million of the Institution's non-appropriated Trust funds is used for acquisition of major objects that would be unaffordable otherwise. This program thereby clearly is distinguished from the Federal acquisitions programs which continue to be essential for purchases of larger numbers of less costly, although important, items.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-18

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Other National Services. A total of \$248,000 is requested to bring funding for the National Museum Act up to the authorized level and to cover the cost of the transfer of some of the functions of the International Exchange Service to the Government Printing Office.

The National Museum Act is a technical assistance program under which grants are made for specific proposals to enhance the quality of museum operations and the museum professions. The increase requested here would be applied to grants to support projects for museum training, special studies and professional assistance.

The increase requested for the International Exchange Service (IES) would cover the costs associated with the reimbursements made to the Government Printing Office for the mailings of official U.S. Government publications to foreign governments.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 248 | 119,322 | 129,221 | 133,441 | 136,498 | 139,069 |
| Outlays | 98,151 | 104,142 | 225 | 117,945 | 128,197 | 132,965 | 136,177 | 138,807 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | - | 3,440 | | | | |
| --Part-time equivalent | 44 | 61 | - | 84 | | | | |
| Other | 295 | 350 | - | 369 | | | | |

Short-term objective:

-- To expand the National Museum Act to its authorized level of funding of \$1.0 million; and to cover the costs associated with the transfer of certain responsibilities from the Smithsonian to the Government Printing Office.

Impact on major objectives:

With funding at this level, the total resources devoted to other national services would increase from \$1.1 million requested at the current services level to \$1.3 million.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-19

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Exhibitions III. This is the third of three enhancement level packages requested for this functional category. Resources total \$393,000 and three full-time and one part-time equivalent position. Funds are requested primarily for exhibits maintenance (for the National Museum of Natural History, the National Air and Space Museum and the National Museum of History and Technology). Funds are requested also for exhibits production at the Cooper-Hewitt Museum, for a part-time exhibits technician for the Museum of African Art, for the Folklife program, and for the Smithsonian Traveling Exhibition Service (SITES), for which three full-time permanent positions are proposed.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 393 | 119,715 | 129,611 | 133,844 | 136,909 | 139,489 |
| Outlays | 98,151 | 104,142 | 358 | 118,303 | 128,585 | 133,366 | 136,588 | 139,227 |

Positions (end of year)

| | | | | |
|------------------------|-------|-------|---|-------|
| Permanent | | | | |
| --Full-time | 3,314 | 3,360 | 3 | 3,443 |
| --Part-time equivalent | 44 | 61 | 1 | 85 |
| Other | 295 | 350 | - | 369 |

Short-term objectives:

- To strengthen exhibitions staff and support particularly for production purposes.
- To plan and produce new exhibitions.

- To strengthen programs of the Smithsonian Traveling Exhibition Service.
- To provide adequate funding for proper exhibits maintenance.

Impact on major objectives:

With resources proposed in this package, total resources devoted to the exhibitions function would increase from \$11.5 million at the second enhancement level (Decision Package 1000-12) to \$11.9 million.

Other information:

In addition to the support requirements for exhibition efforts (supplies, equipment, etc.) explained in the activity description, resources are sought in this package for the following exhibitions programs:

- Smithsonian Traveling Exhibition Service - for a staff position to strengthen the supervision of domestic and international exhibitions and for two additional positions to enable the program to continue working towards the goal of achieving a balance between Federal and Trust employees. This move will keep the exhibition rental fees down and help SITES perform more fully as a public service.
- Cooper-Hewitt - to help the Museum accelerate its efforts to achieve in-house capabilities in exhibition and graphics production.
- Museum of African Art - to initiate the preliminary planning for a major exhibition entitled "African Sources in Modern Art." This exhibition will feature a comparison of modern art and the African art which may have had a significant influence on it.
- Folklife Program - for presentations in conjunction with the Renwick's folklife show. The Renwick Gallery is planning a year-long exhibition of folk art from Smithsonian collections which will open in FY 1981. The Folklife Program is planning a series of celebratory events and demonstrations by craftsmen to be presented in conjunction with the exhibition.

ENHANCEMENT LEVEL DECISION PACKAGE 1000-20

Smithsonian Institution

Salaries and Expenses: 33-0100-0-1-503

Activity description: Museum Support Center - related costs II. Resources included in this decision package, the second decision package for Museum Support Center - related costs, will provide an additional amount of \$0.5 million for the purchase of a storage equipment system for the Museum Support Center. (An amount of \$1.6 million of the \$11.8 million required for this system is being sought in Decision Package 1000-6.) This system consists of standardized unit cases, shelves, drawers, wet storage containers, and a three tier racking configuration.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 98,202 | 104,740 | 500 | 120,215 | 130,132 | 134,382 | 137,459 | 140,049 |
| Outlays | 98,151 | 104,142 | 454 | 118,757 | 129,101 | 133,902 | 137,137 | 139,786 |
| <u>Positions (end of year)</u> | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | 3,314 | 3,360 | -- | 3,443 | | | | |
| --Part-time equivalent | 44 | 61 | -- | 85 | | | | |
| Other | 295 | 350 | -- | 369 | | | | |

Short-term objective:

- To begin to provide for essential storage, laboratory and security equipment prior to occupancy of the building in the fall of 1982.

Impact on major objectives:

Resources sought in this package will facilitate the proper care of the collections and the accessibility of the collections for research study and conservation.

Other information:

The following table summarizes the estimated equipment, relocation, and operating costs by year, through FY 1985. The table assumes approval of resources requested in this package for FY 1981.

MUSEUM SUPPORT CENTER
EQUIPMENT, RELOCATION, OPERATING COSTS: FY 1980 - FY 1985
(Dollars are in thousands; FTP Positions are in parentheses)

| <u>One-time costs</u> | <u>FY 1980</u> | <u>FY 1981</u> | <u>FY 1982</u> | <u>FY 1983</u> | <u>FY 1984</u> | <u>FY 1985</u> | <u>Total</u> |
|-----------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| --collection storage equipment | 250 | 2,401 | 5,090 | 1,690 | 1,153 | 1,199 | 11,783 |
| --other equipment and furnishings | -- | 760 | 1,405 | 1,405 | 1,418 | -- | 4,988 |
| --relocation costs | -- | -- | -- | 1,062 | -- | -- | 1,062 |
| Total: One-time costs | 250 | 3,161 | 6,495 | 4,157 | 2,571 | 1,199 | 17,833 |
| <u>Annual Operating Costs</u> | -- | (7) 89 | (76)1,104 | (119)2,997 | (122)3,193 | (125) 3,372 | |

DECISION UNIT OVERVIEW

Smithsonian Institution

(0129)

Construction: 33-(0132)-0-1-503

(0133)

Decision Unit 2000

Introduction:

The Institution's facilities include 12 major museum and gallery buildings in Washington, D.C. and New York City which house research, collections management activities, and exhibitions in the fields of science, history, technology, and art; a zoological park in Rock Creek Valley and an animal conservation and research center near Front Royal, Virginia; a radiation biology laboratory in Rockville, Maryland; a preservation, storage, and air and spacecraft display facility at Silver Hill, Maryland (also the site of the planned Museum Support Center); a conference center near Elkridge, Maryland; centers for biological research, conservation, and education in Panama and on the Chesapeake Bay in Edgewater, Maryland; an oceanographic research station at Fort Pierce, Florida; a center for astrophysics in Cambridge, Massachusetts, and an observatory on Mount Hopkins near Tuscon, Arizona; and a number of administration, storage, reference, distribution, and other supportive facilities located primarily in leased space. Over 26 million visits to the Smithsonian museums and the National Zoological Park are recorded each year. These museums engender a kind of awareness which leads to a sense of pleasure and enjoyment on the part of the visiting public, school systems, and scholars. The Smithsonian maintains almost all of the properties which it holds. To maintain these varied properties adequately, and to meet facilities requirements associated with research, conservation, and other program areas, the Institution requests funds annually for a broad scope of important construction, restoration, and renovation projects.

Long-range goal:

-- To maintain a physical plant containing adequate and secure space in an environment that provides relatively constant temperature and humidity conditions for proper conservation, housing, display, and study of the National Collections, and that ensures the safety and security of the staff and public who work in, or visit, these facilities. A special emphasis has been placed on providing the necessary off-Mall facilities for collections management, conservation, and research.

Construction

Special Foreign

Major objectives:

- To plan for, and construct new facilities to ensure the efficient, economical, and safe operation of a physical plant containing over 3.0 million net square feet, with buildings ranging in age from new to well over 100 years in age and having a replacement value of several hundred million dollars. The performance of the following activities will ensure this operation.
- Major restorations and renovations, generally of a long-term nature and benefit to the Institution, which are beyond the capability of the Institution's maintenance staff. These projects include repairs to roofs and building exteriors; repairs and alterations to mechanical and utilities systems to provide improved, energy efficient environments within the buildings; and other repairs and improvements of a more general nature.
- Installation and improvement of fire detection and suppression systems.
- Provision of access for the disabled and correction of unsafe conditions. This category includes projects that will provide greater security, health, and safety for the collection, as well as for the staff and visiting public and facilities modification to mitigate or eliminate existing architectural barriers.
- Expansion or modifications of facilities to meet program objectives, such as the development of the Smithsonian Astrophysical Observatory at Mt. Hopkins, Arizona, the Smithsonian Tropical Research Institute in Panama, and the Chesapeake Bay Center, to support research efforts at these facilities.
- To continue to implement the Zoo Master Plan approved by the Commission of Fine Arts and the National Capital Planning Commission in FY 1973.
- To plan for the South Quadrangle construction projects which will provide a new, permanent home for the Museum of African Art; a center for Asian art, in association with the Freer Gallery of Art; additional space for conservation, research, educational and administrative activities; and underground parking.

Alternatives:

1. Provide no additional space. This alternative would seriously impair and disrupt planned and currently organized programs and activities of the Institution that are fundamental to its exhibition and educational missions. Increased use of existing public exhibition space in the Mall museums for collections storage and conservation functions would be necessary. Additional constraints on new acquisitions and the potential relocation of the existing collections to even less acceptable environments would hamper systematic research and possibly reduce the number of scientific disciplines now covered by the Museum of Natural History. Furthermore, the easing of conservation standards would endanger the collections themselves, and would present possible safety hazards from floor overloading and excessive storage heights.
2. Increase rental space. This approach would be costly on a long-term basis and would be subject to inflation and other cost-escalating factors. Scattered locations would increase logistical support and protection costs and would require duplication of staffing and associated laboratory and other support spaces. Moreover, it is likely that extensive modifications would be necessary to adapt leased space for the unique space and environmental needs associated with collections storage, conservation, and research.
3. There is no alternative to performing necessary repairs and improvements to Smithsonian facilities. Failure to maintain the physical plant will endanger the well-being of the collections, the visiting public, and the staff, result in costly operating inefficiencies as building systems (electrical, plumbing, heating, ventilation, and air conditioning systems) cease to function properly; increase energy consumption as building exteriors deteriorate; and contribute to a gradual degradation in the appearance of the buildings.
4. Regarding the performance of the work, there are two alternatives: 1) accomplish the work entirely by contract, and 2) use Smithsonian labor to perform all or certain aspects of the work. Most routine repairs are performed by the Office of Plant Services; however, construction, repair, and improvement projects beyond the capability of this Office are accomplished by contract, except when suitable contractors cannot be located, or their estimates are exorbitant in relation to the proposed job. In some cases the construction accounts are used to purchase supplies, materials, and equipment while the work is performed by Smithsonian staff or temporary labor.

Accomplishments:

- The South Quadrangle - Legislation (P.L. 96-36) that authorized the Institution to plan for the project was enacted and signed by the President on July 20, 1979. Also in FY 1979, non-appropriated Trust funds were used to develop a program of requirements and preliminary design concepts and to collect various engineering and construction data. Informal presentations of a model and the design concept for the South Quadrangle were presented to members of the Commission of Fine Arts and of the National Capital Planning Commission. The Institution expects to continue refining program and design concepts in FY 1980 and to engage an architectural engineering firm to prepare preliminary plans.
- The Museum Support Center - The Institution has acquired 82 acres of government-owned land adjacent to its present 21-acre facility at the Suitland Federal Center. Construction funds in the amount of \$20,600,000 were included in the Institution's FY 1980 budget request to Congress. Preliminary plans have been reviewed and approved by the Congress and the National Capital Planning Commission. Tentative plans and specifications are scheduled to be completed by September 10, 1979, and working drawings will be completed in the spring of 1980. Additionally, an environmental impact statement has been prepared by the General Services Administration and submitted to the National Capital Planning Commission.
- The National Zoological Park - Progress has been sustained on implementing the approved Master Plan. In October, 1978, construction began on the Great Ape House, a 20,000 square foot structure that will provide modern housing for orangutans and gorillas. This facility, scheduled to open in April, 1980, will provide a fully conditioned and controlled environment for the animals in interior glass-fronted habitats, as well as spacious exterior yards. In May, 1979, the Beaver Valley exhibit opened. This exhibit includes sea lion pools with viewing areas that enable the sea lions to be viewed under water as well as separate areas for viewing beavers in natural settings. Construction is almost complete on the North American Mammals exhibit which is to open to the public in November, 1979. In FY 1980 construction will begin on several remaining projects in the central area of the Zoo, including renovation of the Reptile House and Small Mammal House. In FY 1980, design work will begin on the Aquatic Habitats exhibit. This cluster will include exhibits for penguins, sea birds, platypuses, sea otters, a coral reef, a tidal basin and environments, and fish exhibits. The design work will begin on the final phase of the General Services and Parking Facility.

- Restoration and Renovation of Buildings - Repairs and improvements to heating, ventilating and air conditioning (HVAC) systems are essential for improving energy conservation by assuring that these systems operate efficiently and for maintaining environmental conditions required for the preservation of the collections. During FY 1980, a number of projects will be undertaken in this category, including the construction of a new chilled water supply and return line at the Freer Gallery as the first step in a comprehensive renovation of its building systems; and the development of plans and designs for upgrading the HVAC systems at the Fine Arts and Portrait Galleries building.
- In the area of fire protection systems, major emphasis is being placed on improvements to the Natural History Building, the largest space with the least protection, and the History and Technology Building. During FY 1979, a comprehensive study of existing conditions and requirements was accomplished for the Natural History Building, and a similar study for the History and Technology Building will be completed during FY 1980. Also in FY 1980, smoke detection and/or sprinkler systems, will be installed in the Hirshhorn Museum, the Fine Arts and Portrait Galleries building, the Miller House of the Cooper-Hewitt Museum, the maintenance shop at the Smithsonian Tropical Research Institute, and the Silver Hill Facility.
- In the area of repairs and improvements to building exteriors, construction work toward the replacement of approximately 80 percent of the Renwick facade will get underway in FY 1980; and the necessary analysis, design, documentation and cost estimates for the remaining renovation of the facade and roof of the Arts and Industries Building will be performed also in FY 1980. This remaining work will include roof repairs, window glazing, sash repair, masonry pointing, granite resurfacing, and replacement of spouts and drains. Also in FY 1980, the phased program of terrace repairs will continue at the History and Technology Building.

- A dining/common room building will be designed for construction at the summit of Mt. Hopkins, the site of the Multiple Mirror Telescope. This building, together with a dormitory being constructed at the present time with funds appropriated in FY 1979, will be used by astronomers and night-time staff during their one to two week stays on the mountain. Also at Mt. Hopkins, the effort to convert the single-lane unpaved access mountain road into a safer in-sloped all weather road will continue.
- Improvements designed to make all Smithsonian buildings fully accessible to disabled visitors and staff are continuing. Projects underway in FY 1979 include a number of entrance and restroom modifications; these types of improvements will continue in FY 1980. Additionally, the construction of modifications to the Hirshhorn Sculpture Garden began in FY 1979 and will continue in FY 1980 and FY 1981. The total project will provide for a ramping system, related mechanical and electrical work, and resurfacing.
- The second level mezzanines of the Smithsonian Institution library in the Natural History Building will be extended and old glass floor decking will be modified to add approximately 2,000 square feet of efficiently designed work space to meet the library needs.
- At the Smithsonian Tropical Research Institute additional library space will be provided. This library houses the most comprehensive collection in Latin America of books and journals on tropical biology.
- A number of projects will be undertaken at all facilities for a variety of electrical, plumbing, mechanical and structural repairs and improvements, in order to assure safety and to provide for the most efficient use of the facilities.
- The Museum of African Art - Repairs and renovations necessary to meet appropriate Federal standards will be accomplished in FY 1980.

Package 1 of 4 (minimum,
intermediate and
current levels)

DECISION PACKAGE 2000-1;2;3

Smithsonian Institution

(0129)

Construction: 33-(0132)-0-1-503

(0133)

Activity description: Resources are requested for the continued planning of proposed facilities in the South Quadrangle; for restoration and renovation of the physical plant; and for construction projects at the National Zoological Park.

Planning for the South Quadrangle project will continue during FY 1980. An amount of \$1,250,000, to be matched by an equal sum from the Institution's non-appropriated Trust funds, is requested in FY 1981 in order to complete the planning for the total project. The proposal for the development of the South Quadrangle, which is bounded by Independence Avenue, the Arts and Industries Building, the Smithsonian Institution Building and the Freer Gallery of Art, is based on the need to strengthen certain areas of the Institution's collections and exhibits programs and to provide additional services to the public. Within the existing concept, the proposed facilities would house the Museum of African Art; provide an area for the exhibition and study of Asian art by extending resources available to the Freer Gallery; and provide space for a rare book library, educational programs, administrative and support requirements, and an underground parking facility.

The Restoration and Renovation of Buildings (R&R) account, which is used to fund building repairs, alterations and improvements, as well as the construction of additions to existing facilities and minor new facilities, represents a major priority in the FY 1981 budget request. The total request for the R&R account in this package is \$8.8 million. (An additional amount of \$1.3 million is being requested for this account in Decision Package 2000-6). This request, a substantial increase over the FY 1980 R&R request of \$4.9 million, reflects the Institution's commitment to address the R&R needs of the physical plant, which are subdivided into the following six categories: general repairs and improvements; fire detection and suppression systems; access for the disabled, and safety and health; facade, roof and terrace repairs; utility systems repairs and improvements; and other projects in support of programmatic needs.

For the period FY 1981 - FY 1985, the Institution has identified required projects in these categories that are estimated to cost more than \$49 million. The FY 1981 request is intended to address those projects that are needed most urgently and to establish a more adequate level of R&R funding in consideration of the size, diversity, and age of the Institution's facilities. Energy conservation is supported by R&R resources, particularly where funds are applied toward improving the efficiency of building utility systems and toward maintaining building exteriors. Another reason for the increase in the FY 1981 R&R request is the recognition that by requesting full funding for projects that in the past would have been undertaken in phases, the Institution can complete the work more quickly, efficiently, and cost-effectively; some projects, however, lend themselves more readily to phasing.

Planned projects in this package include the following:

Fire detection and suppression systems. The phased implementation of the master plans for the Natural History and the History and Technology buildings will proceed, and systems will be installed in the Smithsonian Institution building and at the Silver Hill facility.

Access for the disabled, and safety and health. A number of restrooms will be modified, construction of modifications to the Hirshhorn Sculpture Garden will be completed, progress toward the containment, or removal, of asbestos will continue, and other safety improvements will be provided.

Facade, roof, and terrace repairs and improvements. Major progress will be made on the restoration of the Renwick facade, terrace and facade repairs and caulking for the History and Technology Building and National Air and Space Museum, roof repair projects for buildings at the Silver Hill facility and for the Fine Arts and Portrait Gallery buildings, and the continued restoration of the Arts and Industries Building.

Utility systems repairs and improvements. Routine maintenance and repairs will be performed in most facilities, including the replacement of antiquated equipment; major renovations of the heating, ventilating and air conditioning systems will begin for the Freer Gallery of Art, and the Arts and Industries building; and other similar improvements will be accomplished in a number of buildings.

Other projects. Funds are being requested for the improvement and development of facilities at the Smithsonian Astrophysical Observatory at Mt. Hopkins, Arizona, at the Smithsonian Tropical Research Institute in Panama, and at the Chesapeake Bay Center.

General repairs and improvements. Mostly minor, but necessary, repairs will be funded from this category. This includes such projects as platform installation and lock and gasket replacement. In addition, a small fund is reserved for emergency repairs that inevitably arise.

Construction will continue at the National Zoological Park following the general outlines given by its Master Plan. In this package, \$3.3 million are requested for improvement of the Central Area Complex and for restoration and renovation needs both at the Rock Creek Zoo and the Front Royal Conservation Center. Work on the Central Area Complex will consist of renovation of the basement of the Reptile House and construction of a new crocodile exhibit.

| | | 1981 | | Planning Estimates | | | | |
|-------------------------|-------|--------|--------------|--------------------|---------|---------|---------|---------|
| Resource requirements: | 1979 | 1980 | This Package | Cumulative Total | 1982 | 1983 | 1984 | 1985 |
| Funds (\$000) | | | | | | | | |
| Budget Authority | 6,575 | 32,550 | --19,171 | 13,379 | 24,202* | 34,840* | 22,899* | 8,553 |
| Outlays | 9,712 | 17,631 | 10,211 | 27,842 | 20,805* | 17,626* | 17,247* | 13,947* |
| Positions (end of year) | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | -- | -- | -- | -- | | | | |
| --Part-time equivalent | -- | -- | -- | -- | | | | |
| Other | 30 | 31 | -1 | 30 | | | | |

*Planning estimates of budget authority include current estimates of total South Quadrangle construction funding requirements which will be derived from both Federal and non-appropriated Trust fund sources. The proportionate share to be provided by each source has not been determined yet. Therefore, no outlay estimates for the South Quadrangle have been included in the planning estimates.

Short-term objectives:

- Progress toward the completion of planning the South Quadrangle Project.
- Ensure basic facility operation while maintaining safety and security for all staff and visitors as well as for the collections.
- Perform necessary facade, roof, and terrace repairs to maintain facilities in a weather-tight, energy efficient condition.
- Continue correction of structural, utility, and building system deficiencies.
- Continue construction at the Zoo in line with the Master Plan.

Impact on major objectives:

- Architectural/engineering planning and design will be completed for the South Quadrangle, a facility which, when constructed, will provide needed additional space for the exhibition of Asian art and for other activities of the Freer Gallery; will provide a Mall site for the Museum of African Art; will incorporate space for the libraries of the Institution which will improve services and provide the proper environmental conditions for the collections; and will provide needed below-grade parking, and for administrative and other support services.
- The physical plant will be maintained at a level necessary to sustain current program activity, to prevent further damage or deterioration of facilities and equipment, and to promote energy conservation.
- Necessary improvement will be made in the areas of fire detection, and control and correction of hazardous conditions, particularly as they relate to access for the disabled.
- Major programs of facade, roof, and terrace repairs will continue.
- Continuation of Zoo construction will improve the conditions there to help the Zoo to provide modern, safe, and healthful facilities for the animals as well as provide enjoyable and safe areas for the visiting public.

Other information:

-- It is anticipated that all projects not funded at this level, or at succeeding levels, will be affected severely by the future impact of inflation.

-- The following projects will be funded at this level:

(\$000s)

| | |
|---|--------------|
| <u>South Quadrangle Planning and Design</u> | <u>1,250</u> |
|---|--------------|

Restoration and Renovation of Buildings

| | |
|--|--------------|
| General Repairs and Improvements | 753 |
| Fire Detection and Suppression | 1,105 |
| Access for the Disabled, and Safety and Health | 729 |
| Facade, Roof, and Terrace Repairs | 3,465 |
| Utility Systems Repairs and Renovations | 1,662 |
| Other Projects: | 1,125 |
| SAO-Base camp facilities and access road | (500) |
| STRI-Naos Lab conversion/renovation | (150) |
| STRI-Ancon Lab renovation | (25) |
| STRI-Barro Colorado Island improvements | (150) |
| CBCES-Water Supply and Distribution System | (250) |
| RBL-Planning (preliminary) funds for Front Royal Research Center | (50) |
| Subtotal, R&R | <u>8,839</u> |

National Zoological Park, Construction and Improvements

| | |
|--|---------------|
| Central Area Complex - includes renovation of the Reptile House and construction of a new crocodile exhibit | 1,840 |
| Rock Creek Repairs and Improvements | 450 |
| Front Royal road resurfacing | 250 |
| Front Royal Repairs and Improvements | 750 |
| Subtotal, National Zoological Park | <u>3,290</u> |
| TOTAL, All Construction | <u>13,379</u> |

ENHANCEMENT LEVEL DECISION PACKAGE 2000-4

Smithsonian Institution

Construction: 33-0129-0-1-503

Activity description: At this level, funding will be provided for one-half (\$4.4 million) of the estimated cost for the Aquatic Habitats project at the National Zoological Park. This exhibit will be an extension of the Beaver Valley exhibit. Only one-half of the funding required is requested in this budget because the design work for the Aquatic Habitats project will be begun only in FY 1980, with the remaining funds to be requested in a future year.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds</u> (\$000) | | | | | | | | |
| Budget Authority | 6,575 | 32,550 | 4,400 | 17,779 | 28,300* | 38,816* | 26,857* | 11,425 |
| Outlays | 9,712 | 17,631 | 3,982 | 31,824 | 23,784* | 20,150* | 19,716* | 15,944* |
| <u>Positions</u> (end of year) | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | -- | -- | -- | -- | | | | |
| --Part-time equivalent | -- | -- | -- | -- | | | | |
| Other | 30 | 31 | -- | 30 | | | | |

* Planning estimates of budget authority include current estimates of total South Quadrangle construction funding requirements which will be derived from both Federal and non-appropriated Trust fund sources. The proportionate share to be provided by each source has not been determined yet. Therefore, no outlay estimates for the South Quadrangle have been included in the planning estimates.

Short-term objective:

--Begin construction of the facilities for the Aquatic Habitats exhibit in line with the Zoo's Master Plan.

Impact on major objectives:

--Further progress on the work needed to complete the renovation of the National Zoological Park at Rock Creek in line with its Master Plan.

ENHANCEMENT LEVEL DECISION PACKAGE 2000-5

Smithsonian Institution

Construction: 33-0129-0-1-503

Activity description: This additional level of funding of \$900,000 would support two programs of the National Zoological Park: the graphics and the completion of a project at the Conservation and Research Center in Front Royal, Virginia. A sum of \$100,000 is requested both to continue the graphics program in newly opened areas of the Zoo and to design the final phase of the Zoo's Master Plan. The remaining \$800,000 are requested for completion of the Small Mammal and Bird Breeding Complex at the Conservation Center which would provide solar-heated indoor quarters and spacious outdoor yards for delicate mammals and threatened species of birds. This project will be initiated in FY 1980.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|--------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds</u> (\$000) | | | | | | | | |
| Budget Authority | 6,575 | 32,550 | 900 | 18,679 | 29,028* | 39,523* | 27,651* | 11,935 |
| Outlays | 9,712 | 17,631 | 815 | 32,639 | 24,385* | 20,660* | 20,214* | 16,346* |
| <u>Positions</u> (end of year) | | | | | | | | |
| Permanent | | | | | | | | |
| --Full-time | -- | -- | -- | -- | | | | |
| --Part-time equivalent | -- | -- | -- | -- | | | | |
| Other | 30 | 31 | -- | 30 | | | | |

* Planning estimates of budget authority include current estimates of total South Quadrangle funding requirements which will be derived from both Federal and Trust sources. The proportionate share to be provided by each source has not been determined yet. Therefore no outlay estimates for the South Quadrangle have been included in the planning estimates.

Short-term objectives:

- Continue the Graphics Program at the Zoo.
- Complete construction of the Small Mammal and Bird Breeding Complex, for which funds have been requested already in FY 1980.

Impact on major objectives:

- Further progress on the work needed to complete the renovation of the National Zoological Park at Rock Creek in line with the Master Plan.
- Provide adequate housing and breeding facilities for birds currently housed at Rock Creek. This is part of our effort to provide safe and healthful facilities for all the collections, including the animals and for the staff and visiting public.

Other information:

Small Mammal and Bird Breeding Complex - This complex will provide back-up breeding for small mammals and birds. The part of the complex to be used for small mammal breeding will be constructed with funds anticipated to be appropriated in FY 1980. Funds are sought in this package to complete the second phase of work for the complex, which will provide housing for the delicate birds that are hatched at the Conservation and Research Center.

ENHANCEMENT LEVEL DECISION PACKAGE 2000-6

Smithsonian Institution

Construction: 33-0132-0-1-503

Activity description: The funding provided at this level would provide an additional \$1.3 million for the Restoration and Renovation appropriation, thus increasing the entire request for Restoration and Renovation work to \$10.1 million. This funding will allow the Smithsonian to continue the process of maintaining the entire physical plant in a safe, weathertight, and operative condition.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds</u> (\$000) | | | | | | | | |
| Budget Authority | 6,575 | 32,550 | 1,300 | 19,979 | 30,212* | 40,672* | 28,705* | 12,765 |
| Outlays | 9,712 | 17,631 | 863 | 33,502 | 25,036* | 21,211* | 20,754* | 16,783* |

Positions (end of year)

Permanent

--Full-time

--Part-time

Other

| | | | |
|----|----|----|----|
| -- | -- | -- | -- |
| -- | -- | -- | -- |
| 30 | 31 | -- | 30 |

* Planning estimates of budget authority include current estimates of total South Quadrangle funding requirements which will be derived from both Federal and non-appropriated Trust fund sources. The proportionate share to be provided by each source has not been determined yet. Therefore, no outlay estimates for the South Quadrangle have been included in the planning estimates.

Short-term objectives:

--Ensure basic facility operation while maintaining safety and security for all staff and visitors as well as for the collections.

--Continue correction of structural, utility and building system deficiencies.

- Perform necessary facade, roof and terrace repairs to maintain facilities in a weathertight condition.

Impact on major objectives:

The projects to be funded at this level, although not included in the first Restoration and Renovation package within target, are essential ones and must be undertaken in order to sustain current program activity and to prevent further damage or deterioration of the facilities and equipment. Necessary improvements will be made in the areas of fire detection and of control and correction of unsafe conditions, particularly as they relate to access for the disabled.

Other information:

- It is anticipated that all projects not funded at this level, or at succeeding levels, will be affected severely by the future impact of inflation.
- The following projects will be funded at this level:

| | (\$000's) |
|--|--------------|
| Access for the Disabled, and Safety and Health | \$ 100 |
| Fire Protection and Security | 200 |
| Repairs | <u>1,000</u> |
| Total | \$1,300 |

DECISION UNIT OVERVIEW
Smithsonian Institution
Museum Programs and Related Research
(Special Foreign Currency Program): 33-0102-0-1-503
Decision Unit 3000

Long-range goal: To continue the administration of a national grants program in excess foreign currencies that is responsive to the needs of the academic community, the Smithsonian, and the participating host countries.

Major objectives:

-- To support the increase and diffusion of knowledge by making grants in the excess foreign currencies of Egypt, India, Pakistan, and occasionally Burma and Guinea to United States' institutions for "museum programs and scientific and cultural research and related educational activities." These projects are carried out in the host countries in collaboration with those countries' institutions in the fields of archeology, systematic and environmental biology, astrophysics and earth sciences and museum programs. Projects which have been funded in the past are continuing in Poland, Sri Lanka, and Yugoslavia. No money to start new projects is available in these countries. The Institution's first priority for the use of its foreign currency appropriation is the support of annual budgets for meritorious research funded in previous years and in which work will be continuing in the current year. This research is reviewed for each year that additional monies are requested. This renewed support ensures that the existing investment in the research will be preserved. Annual support for new proposals has second priority. Although one year funding is the general program rule for all grantees, especially for the first year of work, multi-year funding is offered occasionally for subsequent years. This support, which is granted only after careful review of the success of the research project, has the advantage of assuring funds for continued work in succeeding seasons.

-- To contribute to the salvage project at Moenjodaro, Pakistan so that the ancient urban sites can be saved from further disintegration due to damaging environmental conditions.

Alternatives:

Alternatives to the current administration of the grant awards program are:

- Contract research which directs scholars to study programs as they are defined by the Institution.
- Abandonment of the national grants program while seeking a direct appropriation for only the Institution's programs.

The Smithsonian recommends the continuation of its administration of a national grants program in foreign currencies as long as the currencies last. Such a program sustains not only modern research abroad in disciplines of interest to the Institution, but also engenders support for the Institution in academic circles throughout the United States, drawing researchers and advisory council members to the Institution. Moreover, the program can result in new collections for the national museums.

To maintain the support of the academic community, Smithsonian staff members should continue to compete with their colleagues for foreign currency awards. Peer review provides objective and sound critiques of research, and when it is conducted annually, can assist scholars in getting the best results. Competitive review keeps Smithsonian applications up to national standards. In accordance with the language of the FY 1979 Congressional Appropriations Conference Report, the National Science Foundation reviews the credentials of the review panelists and certifies their competence. This process is preferable to contracting for specific research projects or for appropriations only for the Institution's programs. These kinds of predetermined limitations would not assure that the most meritorious proposals would be funded because it would set artificial constraints on funding applications.

Accomplishments:

The Smithsonian Foreign Currency Program anticipates making 45 research grants to institutions in 20 states and the District of Columbia by the end of FY 1979. Of these, 33 will be for continuing projects and 12 for new ones. We anticipate maintaining a similar level of activity through FY 1981, particularly in the three remaining significant excess currency countries: Egypt, India and Pakistan. Work in Egypt will be at a reduced level as funds there are nearly depleted. Work in Burma, as in the past, will be limited but recent communications indicate renewed interest on the part of the Burmese in establishing collaborative projects. Program activity will continue through FY 1980 in Sri Lanka, Poland, and Yugoslavia. A total of 12 projects require continuation of multi-year funding. An appropriation of \$3.7 million is requested for funding all these projects.

Several examples of recent accomplishments resulting from foreign currency projects are:

- Discovery of 18,000 year old cultivated barley in the western desert of Egypt;
- Establishment in the United States of a duplicate archive of more than 30,000 photographs of Indian archeological sites;
- Circulation of an exhibition on U.S. technology in India; and
- Collection of fishes from Pakistan to provide a unique group of specimens for comparative study of modern and fossil fishes.

Other information:

-- Moenjodaro - In the FY 1980 request to OMB, the Smithsonian sought and received an allowance of \$4.0 million in excess Pakistani rupees to be used to finance the U.S. contribution to the international effort to support the salvage of the archeological site of Moenjodaro. The Government of Pakistan had appealed to the international community for assistance in halting further disintegration of the site's brickwork because of the fluctuating course of the Indus River and the seepage of saline ground water. Plans and studies to remedy this disintegration have been advanced under the sponsorship of UNESCO. Since the agreements between the Government of Pakistan and UNESCO were not signed by the time of the Congressional hearings on the FY 1980 budget, the Smithsonian sought deferral of this request until FY 1981. The necessary conventions are expected to be signed by the beginning of FY 1981, at which time the Smithsonian will make the U.S. contribution.

-- Egyptian currency situation - The final distribution by the Department of State of the remaining Egyptian pounds is imminent. Although the Smithsonian expects to receive a small portion of these funds, the Institution's research program in Egypt will be curtailed in an abrupt manner and many productive projects will not be completed. Therefore, the Smithsonian urges that new sources of P.L. 480 funding in Egypt be examined. Perhaps these funds could be generated through stipulations in new trade agreements with Egypt. Continuation of this funding will allow both the valuable research efforts and the close relationships developed between U.S. and Egyptian scholars to be maintained.

Package 1 of 2 (minimum, intermediate levels)

DECISION PACKAGE LEVEL 3000-1;2
Smithsonian Institution
Museum Programs and Related Research
(Special Foreign Currency Program): 33-0102-0-1-503

Activity description:

Funding of the research grants program at the existing level.

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|----------------|-------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> | <u>Cumulative</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| | | | <u>Package</u> | <u>Total</u> | | | | |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 3,700 | 7,700 | -4,000 | 3,700 | 3,700 | 3,700 | 3,700 | 3,700 |
| Outlays | 3,642 | 4,334 | -412 | 3,922 | 3,778 | 3,727 | 3,710 | 3,703 |

Positions (end of year)

| | | | | |
|------------------------|----|----|----|----|
| Permanent | | | | |
| --Full-time | -- | -- | -- | -- |
| --Part-time equivalent | -- | -- | -- | -- |
| Other | -- | -- | -- | -- |

Short-term objectives:

-- Provide continued funding of research grants program.

Impact on major objectives:

-- Current projects requiring funding in FY 1981 could continue.

-- New projects could be funded.

-- Eliminate U.S. support for international effort to salvage Moenjodaro.

DECISION PACKAGE LEVEL 3000-3
 Smithsonian Institution
 Museum Programs and Related Research
 (Special Foreign Currency Program): 33-0102-0-1-503

Activity description:

Continuation of grants program at the existing level. Funding of Moenjodaro project, approved by OMB in FY 1980 but deferred until FY 1981. (It is anticipated that the necessary agreements between UNESCO and Pakistan will have been signed.)

| <u>Resource requirements:</u> | <u>1979</u> | <u>1980</u> | <u>1981</u> | | <u>Planning Estimates</u> | | | |
|-------------------------------|-------------|-------------|-------------------------------|-----------------------------------|---------------------------|-------------|-------------|-------------|
| | | | <u>This</u> <u>Package</u> | <u>Cumulative</u> <u>Total</u> | <u>1982</u> | <u>1983</u> | <u>1984</u> | <u>1985</u> |
| <u>Funds (\$000)</u> | | | | | | | | |
| Budget Authority | 3,700 | 7,700 | 4,000 | 7,700 | 3,700 | 3,700 | 3,700 | 3,700 |
| Outlays | 3,642 | 4,334 | 1,000 | 4,922 | 4,778 | 4,727 | 4,710 | 3,703 |

Positions (end of year)

| | | | | |
|------------------------|----|----|----|----|
| Permanent | | | | |
| --Full-time | -- | -- | -- | -- |
| --Part-time equivalent | -- | -- | -- | -- |
| Other | | | | |

Short-term objectives and impact on major objectives:

- Provide continued funding for all programs which received funding in FY 1980, as well as funding for new projects and new multi-year funding.
- Provide U.S. contribution to the Moenjodaro salvage effort.

SMITHSONIAN INSTITUTION LIBRARIES



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